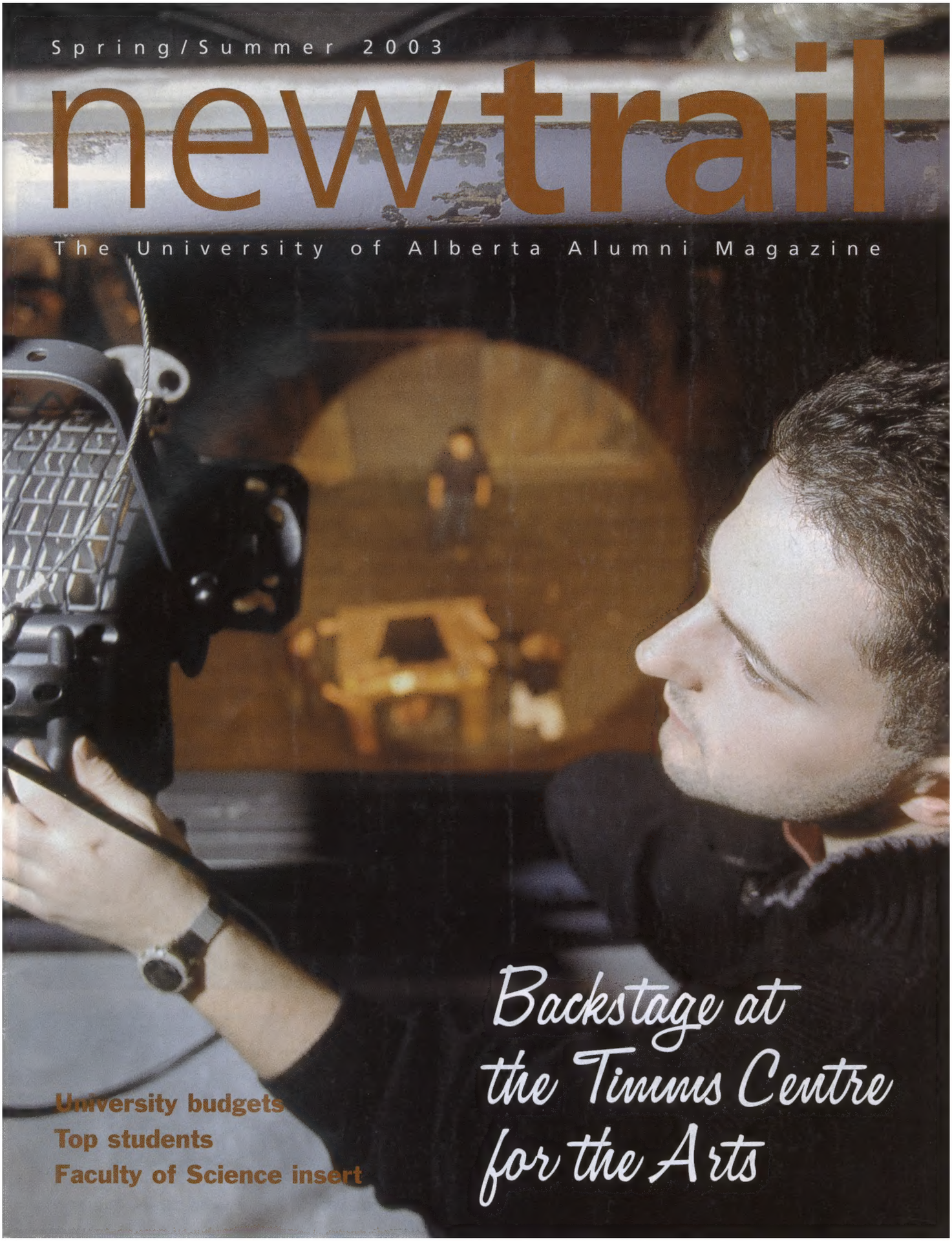
Spring/Summer 2003

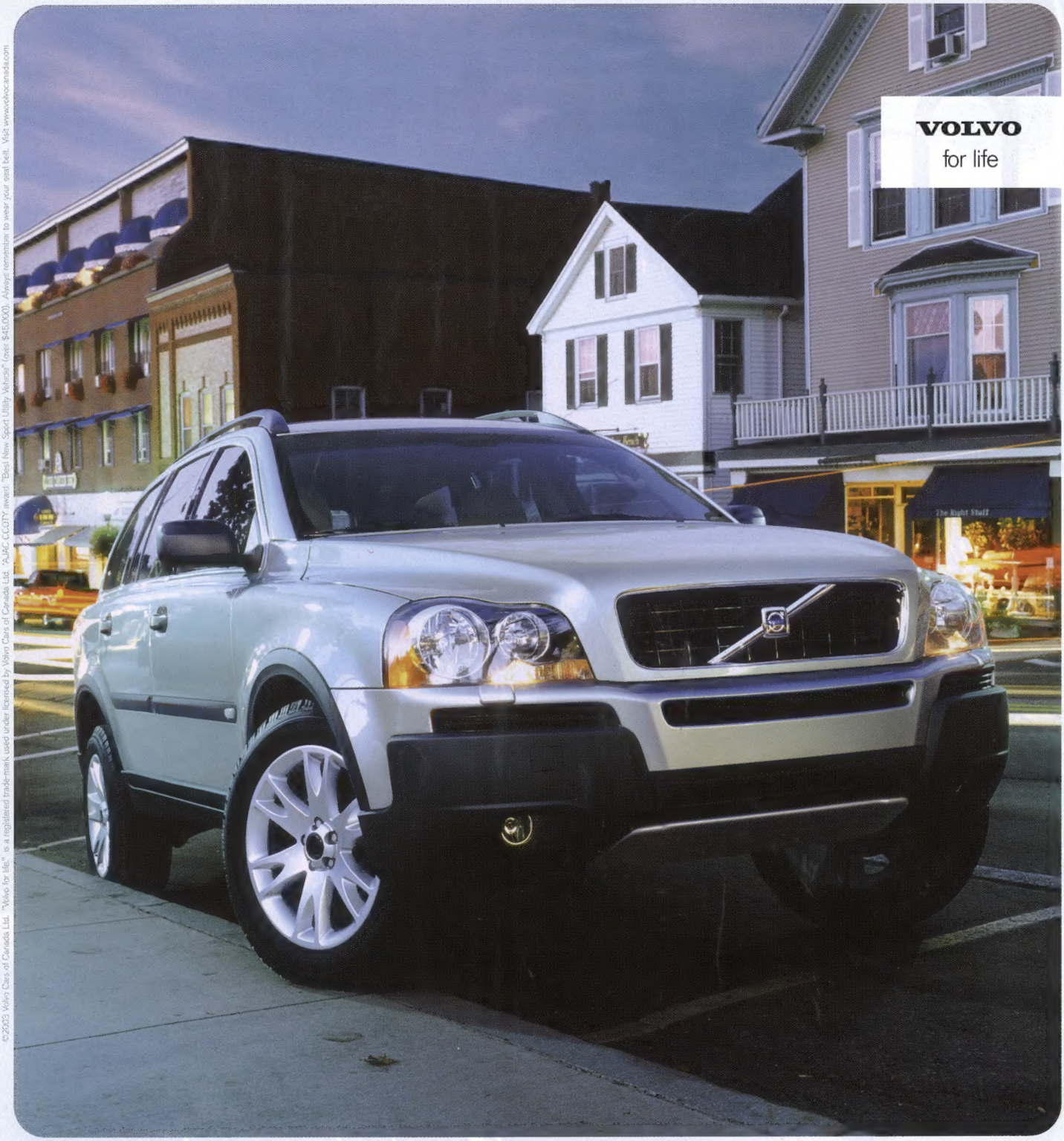
new trail

The University of Alberta Alumni Magazine



Backstage at the Timms Centre for the Arts

University budgets
Top students
Faculty of Science insert



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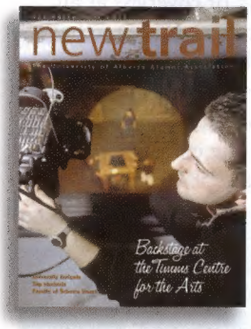
features



cover image: Sean Dixon lights up the action on the Timms Centre stage.
(Ian Jackson/Epic Photography)

11 **Finding the funds for higher education**
Tuition increases aren't just an issue at the U of A. Across Canada and in many other countries, universities are looking for ways to increase their revenues.

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BASECAMP

When I decided to write a story about university budgets and rising tuition fees, I knew it wouldn't make a very pretty cover story. It's an important and topical issue, but it's hard to make it visually appealing.

Fortunately, the Timms Centre came to my rescue. I didn't have the opportunity to join the back-stage tour myself, but from reading Jodeen's story and viewing Ian Jackson's photographs I got a sense of all the varied activities that go into a stage production. The University of Alberta is truly lucky to have such a wonderful facility.

Writing the budget and tuition feature was quite a learning experience. Going into it, I didn't realize how much of a headache I was going to give myself. I thought I would never get through the stack of tables, graphs, and commentaries I accumulated in my research. It could easily have become a multi-part series.

I already had some familiarity with the financial set-up here at the University of Alberta, of course, and a passing knowledge of how some other institutions operate in Canada and the United States, but I was surprised at just how many different funding scenarios there are for post-secondary education worldwide.

I hope I have managed to distill the more important elements of the issues and present them in a straightforward manner. I want to give you a sense of the broader national and international contexts for future funding or tuition stories you may read, because I'm sure it will be an ongoing concern.

If I failed and you just find it too dense, too dry, or too convoluted, you can always seek refuge in the Timms Centre story. That's where I'll probably be resting.

Roland Lines
Editor, *New Trail*

Cover design Lisa Hall
Office of Alumni Affairs
University of Alberta

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HERE'S HOW TO REACH US ...

Comments, suggestions, story ideas—*New Trail* welcomes them all. Our reader response line is ready to take your calls. So leave us a message at **492-1702**. *New Trail* also welcomes letters to the editor. If you would like to comment on any of the stories that appear in the magazine, please write us at *New Trail*, 6th Floor, General Services Building, University of Alberta, Edmonton, Alberta, T6G 2H1

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Spring/Summer 2003

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E-mail your comments, questions, address updates, and class notes to *alumni@ualberta.net*

Check out *www.ualberta.net* where you can join the Alumni Association's online community.

New Trail is the University of Alberta Alumni Association magazine. It is published three times a year. The views and opinions expressed in this magazine are those of the authors and do not necessarily represent the views of the University or the Alumni Association. Contributions for the Autumn 2003 issue should reach the editor by 15 July 2003.

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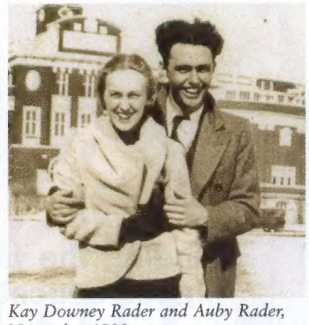


Kay Downey Rader and Auby Rader, November 1933

More fairytales requested

I read with great interest the little letter from Kay Downey Rader about her marriage to Auby Rader after a seven decade hiatus! How romantic!!! I would love more details. How about a little story on them?

Thanks so much—I enjoy your magazine even though I am not an alumnus (my husband is, though).

Sheindl Rothman, wife of Jack Rudnicki, '86 MA
Montreal, Quebec
27 January 2003

Common connections

The winter edition of *New Trail* arrived in good condition here in Rochester, N.Y., so your strategy for saving money on a cover is working.

You produce a wonderful newsletter which I never fail to read. The story about Dr. Joseph Martin was a particular delight since we have common connections with Case Western Reserve, U of Rochester, and even a wonderful vacation tour of a Mennonite farm in Drumheller.

Dr. Joseph Martin

Joan Gray Lindberg, wife of Vern Lindberg, '69 BSc
Rochester, New York
30 January 2003

Ideas for everyone

I've just received the latest edition of *New Trail*. In response to your request for feedback, I'm writing to let you know that it arrived completely intact, not raggedy or coverless at all. So if it saves money to have the lighter weight cover, carry on. Also, with regards to the *Ideas* insert, I found it most interesting even though I'm a science/medicine graduate. I read an article about psychologist Jeff Bisanz, very interesting to me as he was my prof in undergraduate psychology, and I'm about to write an e-mail to him (as a direct result of reading about him in *New Trail*), though I haven't seen him in 20 years. Maybe a science insert would also keep costs down!? Keep up the good work!

Karen Hartwig, '81 BSc, '85 MD
8 January 2003

Editor's note: It looks like we're one step ahead of you. You will notice that the Faculty of Science newsletter Contours *is indeed being run as an insert in this issue of* New Trail, *and the Faculty of Agriculture, Forestry and Home Economics is on board for the next issue. The Faculty of Arts says it had such a positive response to the* Ideas *insert in the last issue that it hopes to make it a regular feature in the winter* New Trail. *Now, what should we do about the other 14 faculties?*

We would like to hear your comments about the magazine. Send us your letters via mail or e-mail message to the address on the previous page. The letters maybe be edited for length or clarity.

landmarks

■ University chemistry professor John Vederas and University history and classics professor **David Marples**, '80 MA, are the recipients of the 2003 Gordin J. Kaplan Award for Excellence in Research, the University of Alberta's most prestigious research prize. Vederas has received international acclaim for his work on how proteins function, leading to an array of promising new products, processes, and drugs. Marples, a specialist in Eastern European studies, rose to prominence by studying the 1986 Chernobyl nuclear disaster and is currently working to uncover the mysterious murders behind thousands of graves discovered in the Kuropaty forests in Belarus.

John Vederas (left) and David Marples at the Kaplan Awards ceremony held on 4 March.

■ Carl Amrhein is the University's newly appointed vice-president (academic) and provost. Amrhein comes to the U of A from the University of Toronto, where he served as the dean of the Faculty of Arts and Science. Amrhein's term will officially begin on 1 September.

■ **Nancy Hannemann**, '80 BA, administrative professional officer in the U of A's International Centre and co-founder of the annual University of Alberta Lectureship in Human Rights, received the 2002 Salvos Prelorentzos Peace Award for her contributions to peace education. The award is presented by Project Ploughshares, a national organization that promotes peace and justice in Canada and around the world.

■ In March, the University of Alberta received six new Canada Research Chairs. Ian Mann, a leading authority in the study of the Earth's magnetosphere, was named the Canada Research Chair in Space Science. Mann comes to the U of A from the University of York in the U.K. Satyabrata Kar, formerly of McGill University, is the new Canada Research Chair in Neurodegenerative Diseases. U of A educational psychology associate professor Xin Ma is the Canada Research Chair in Quantitative Studies of School Environments and Educational Policies. Coming from the University of Waterloo, **Dale Schuurmans**, '85 BSc, '88 MSc, is the new Canada Research Chair in Machine Learning. Anna Yeatman, from Macquarie University in Australia, is the new Canada Research Chair in Social Theory and Policy. Finally, Massimo Boninsegni, leading expert in the theoretical investigations of the physical properties of quantum fluids in reduced dimension, is the new Canada Research Chair in Computational Condensed Matter Physics.

Ian Mann

■ The University of Alberta MBA program made the top 100 in the recently released Financial Times of London Business School Survey. The U of A ranked 59th overall and third in Canada in the category that ranks research proficiency.

■ **Brad Bucknell**, '79 BA, '87 MA, U of A assistant professor of English, recently received a prestigious Canada-U.S. Fulbright Award. Bucknell will spend five months as a Fulbright Visiting Scholar at Yale University studying the interplay between music, theatre, and literature in American modernism.

■ U of A professor emeritus of strategic management and organization Bob Hinings was recently named the 2003 Honorary Member of the European Group for Organizational Studies, which is the principal European academic association for the advancement of organizational knowledge. Hinings is one of only two organizational scholars honoured as a Distinguished Scholar in the U.S. by the Academy of Management. He is also the only organizational scholar who has been honoured in Canada, Europe, and the U.S.

■ It was another winning year for U of A sports teams. This year the Canadian Interuniversity Sport (CIS) champions include the gold-winning Pandas hockey team and the Pandas rugby team, which has held the national title for the last four seasons. The Golden Bears volleyball team served up a second-place win, capturing silver as did the Pandas soccer team, which also earned silver. The Golden Bears hockey team, the Golden Bears cross-country team, and the Pandas volleyball team earned bronze at their respective CIS national tournaments.

■ Epcor executive **Cairine MacDonald**, '73 BEd, is the University's first Epcor Executive in Residence, a 12-month term in which she will contribute in the classroom, mentor students, and assist with research conducted through the School of Business's Centre for Applied Business Research in Energy and the Environment.

■ In March, University of Alberta chemistry professor **Gary Horlick**, '65 BSc, received the 2003 Pittsburgh Spectroscopy Award. One of only four Canadians to receive this honour, Horlick was lauded for his lifelong contributions to the development and characterization of new methods and systems for elemental analysis. The award was presented by the Spectroscopy Society of Pittsburgh.

■ This year, three University of Alberta laboratory technicians were named recipients of the Nathaniel Rutter Outstanding Technician Award presented by the U of A Chapter of the Society of Sigma Xi. Rakesh Bhatnagar from the biological sciences department, **Isaac Lank**, '85 BA, from psychology, and Hubert Hofmann from chemistry received the award, which honours University technicians for their skills, knowledge, dedication, and rapport with students and staff.

■ Good news for the University's Faculty of Law. *Canadian Lawyer* magazine recently ranked the faculty as the second-best law school in Canada. The magazine surveys alumni from law schools across the country and asks them to grade their school based on curriculum, faculty, facilities, testing, fellow students, and practice relevance.

■ U of A master's student in computing science **Ajit Singh**, '01 BSc, won the public speaking element of the 2003 World Universities Debating Championships, held earlier this year in Stellenbosch, South Africa. Singh competed against more that 100 competitors.

■ **Ron Ball**, '75 BSc(Ag), '79 MSc, U of A agriculture, food, and nutritional science professor, and University of Toronto professor Paul Pencharz were the co-winners of the Osborne Mendel Award for 2002. This prestigious award was established to recognize "outstanding recent basic research accomplishments in nutrition." Ball is internationally recognized for his work in swine and human nutrition.

■ The University community notes with sorrow the passing of former University of Alberta president **Harry Gunning**, '83 DSc(Honorary), Jan Weijer, U of A professor emeritus of genetics, **Jim Vargo,** '68 BA, '70 MEd, '72 PhD, University professor emeritus of rehabilitation medicine, and **Gordon Lochead Wilson**, '40 MD, a lecturer in the U of A Faculty of Medicine.

MicrobeCards

A new & fun way to learn about nasty germ bugs

MicrobeCards are graphic and gory, but these medical trading cards are proving to be a useful—and fun—teaching tool for students to learn about infectious diseases.

The mastermind behind this novel pack of cards, detailing 103 viruses, bacteria, fungi, and parasites, is Mark Peppler, U of A associate professor of medical microbiology and immunology.

Like a sports card, the front of each MicrobeCard features a photograph of the nasty organism, with up to four inset images showing the damage the disease can cause—things like rashes and swelling—and diagnostic tests. On the back are the vital statistics, including the germ's pathogenesis (development), its epidemiology, diagnosis, and suggested treatments. Also like sports cards, MicrobeCards are sorted into different teams, or species, and each species is a different colour.

Photo: Chul-Ahn Jeong

Mark Peppler shows off some MicrobeCards

The sports card concept is a "useful format and learning tool to assist students," says Peppler, a onetime card collector. "What we have with MicrobeCards is a lot of information in a standardized format."

Peppler and graphic artist John Driedger worked together on the initial prototype for the cards. With the help of the American Society of Microbiology (AMS), Peppler was able to get MicrobeCards published. AMS is also distributing the cards worldwide. MicrobeCards, which retail for $43.95 in Canada, are available at the University of Alberta Bookstore. According the Paul Wilde, course materials manager at the U of A Bookstore, MicrobeCards are "selling way beyond expectations."

With all this success, what's next in the cards for Peppler? More cards—Peppler is currently working on AntimicrobeCards, a set that will include antibiotics.

Sports Wall Of Fame: 2003 Inductees

Jim Fleming, '51 BSc(Ag), played hockey with the Cleveland Barons, the Royal Canadian Navy, and the Kansas City Pla-Mors, before attending the U of A and joining the Golden Bears in 1947. He captained the Golden Bears Hockey Team from his sophomore year onwards, winning the MVP and Purcell trophies in 1948/49 and 1949/50. During all four years that Fleming was a Golden Bear, the team won the WCIAU championship. In 1951 he was awarded the Wilson Trophy as the U of A's outstanding male athlete.

Barry Kennedy, '74 BSc, '76 BCom, is an outstanding freestyle swimmer who established a Golden Bear record in the 50-yard event. He starred on the 1970/71 CWUAA Water Polo Championship Team; from 1972 to 1975 he was named to the CIAU All-Canadian Swim Team; he was a member of the CIAU National Championship Team in 1974/75; and he captained the Golden Bears Swim Team in 1973/74 and 1974/75. Kennedy went on to represent Canada on the Canadian Senior Water Polo Team in 1974/75; he won the Canadian championship as a modern pentathlete in 1980, 1985, and 1987; and in 1988 he represented Canada in the pentathlon at the Seoul Olympics.

Joe Poplawski, '78 BSc, played as a wide receiver and place kicker for the Golden Bears Football Team from 1975 to 1977. In 1977 he led the CWUAA Conference in receptions and points scored. Poplawski played in the CFL with the Winnipeg Blue Bombers from 1978 to 1986. In his first year, he won the Jackie Parker Trophy as the Outstanding Rookie in the CFL Western Conference and the CFL Schenley Outstanding Rookie Award, and he was named a CFL Western Conference All-Star. Poplawski was a five-time member of the CFL All-Canadian Team and received numerous Outstanding Player awards. He won the Grey Cup with the Blue Bombers in 1984, and he was inducted into the CFL Hall of Fame in 1998.

Personalize your degree

"It's an exciting time to be an arts student," said Daniel Woolf, U of A Dean of Arts, commenting on the approval of the arts faculty's new academic plan, which introduces several new interdisciplinary degree programs.

"The self-designed option will give our students the power to create a program around intellectual passions that cross disciplinary boundaries," says Rick Szostak, University associate dean of the arts faculty. "It will also enable them to craft a degree that may be uniquely valuable in their chosen careers," he says.

Szostak, who oversees the interdisciplinary studies in the faculty, says that these programs will provide students with a special educational opportunity. "They are a wonderful way to prepare students for lifelong learning and to help them develop critical thinking skills."

Besides the self-designed programs, other proposed programs include science and technology studies, art in society, religious studies, and environmental studies.

Although no start date has been determined, administrators are hoping the self-designed program will be in place by the 2004/2005 academic year.

Alex Romaniuk, '53 BEd, '64 MEd, won the WCIAA Championship in wrestling for his weight class from 1948 to 1951, and he won the Provincial Championship in 1947 and 1958. He went on to coach the U of A Wrestling Team, and in 1966 Romaniuk was Canada's Wrestling Coach for the Commonwealth Games. He has chaired both the Alberta Wrestling Association and the Canadian Amateur Wrestling Association, and he was instrumental in bringing the World Wrestling Championships to Edmonton in 1970. In 1972 he received the Olympic Gold Star at the Munich Olympics.

Shona Schleppe, '86 BEd, '93 MA, was a member of the Pandas Field Hockey Team from 1981 to 1985, receiving the Bakewell Trophy in 1985. She won the Canadian Soccer Championships with the Edmonton Angels in 1981 and 1982. Schleppe was a member of Canada's National Women's Field Hockey Team; she won bronze medals at the 1986 World Cup and the 1987 Pan American Games, and she competed in the 1988 Olympics. From 1988 to 1990, Schleppe was an assistant coach for the Pandas Field Hockey Team, and from 1990 to 1992 for the Pandas Soccer Team.

Researchers reach ScienceDirect

Researchers at the University of Alberta have been celebrating the addition of about 1,000 academic journals to the U of A Library System via the Internet.

Since the first week of January the electronic journals, all published by Elsevier, have been available through the U of A's involvement with the Canadian National Site Licensing Project (CNSLP). A deal negotiated through the CNSLP allows the U of A and 60 other member institutions to purchase Internet access to Elsevier's ScienceDirect platform of journals, which includes about 1,500 journals and about 200 other academic press titles.

Last year, the U of A held subscriptions to print copies of about 500 Elsevier journals. This year, the CNSLP deal allows the university access to all 1,500 journals in the Elsevier library for just a five-percent increase in costs the U of A paid to Elsevier last year. The deal allows online access to the journals dating back to 1998. U of A researchers already have access to the other 200 academic press titles in the ScienceDirect collection, thanks to an earlier licensing agreement.

Karen Adams, director of library services and information resources at the U of A, is pleased with the deal, especially because it allows each CNSLP member institution to cancel, without penalty, the print copy subscriptions it has maintained with Elsevier up to this point.

"We'll probably only keep a real small number of our print subscriptions with Elsevier, because we find the e-journals are so popular," said Adams.

"This makes a big difference to me, and it's very advantageous for everyone on campus," said Connie Smith, an economics professor at the U of A. "Elsevier is a very big publisher of important economics journals, and it's so important for me to have access to these titles, not only for my own research but also so I can refer my students to articles online."

"This is beautiful," said U of A biological sciences professor Norm Casey as he discovered he can access an electronic version of *Aquaculture*, an Elsevier journal.

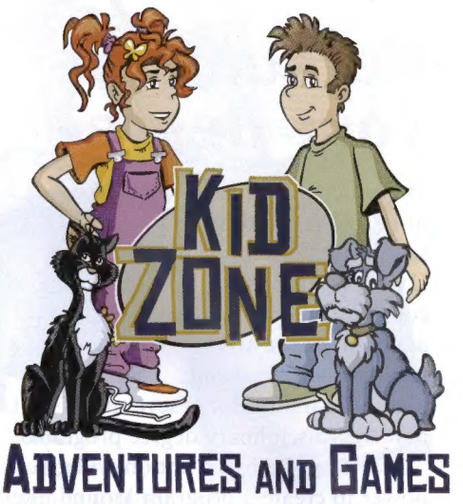
"The U of A had to cancel this journal a few years ago because it cost about $1,500 a year," he added. *Aquaculture* covers a specialty field—fish and fishery products. "But that's my field, and this is the best journal in the field. It's a great reference for me. This is fantastic news that we now have access to it again."

Alumni can get access to the electronic journals from any of the U of A library workstations.

—Ryan Smith

ENTER KIDZONE

Interactive site invites kids to check out the U of A



From their backyard treehouse, Wendy and Iggy host KidZone, a highly interactive website that helps kids explore the University of Alberta, learn about some of the University's research, and check out specimens, artifacts, and works of art on the University's Virtual Museum.

The site was created to inspire kids to discover the world around them, says **Janine Andrews**, '84 MSc, executive director of the University's Museums and Collections Services. "The University's museums are full of fascinating artifacts and specimens, with lots of intriguing stories that go with them," she says. "We believe that this website will help promote that innate curiosity that children have, as well as help them understand the research process as a sequence of wonder, discovery, and wisdom."

KidZone has three different stories, each with a series of games, including Map Madness, Fossil Follies, and Bugs for Dinner. **Frannie Blondheim**, '81 BFA, manager of communications, Museums and Collections Services, says KidZone is a fun place for children to learn. "But it is based on the Alberta Learning Curriculum, so there are age-appropriate concepts and topics."

To make sure that KidZone would get a thumbs-up approval by kids, the Department of Museums and Collections Services enlisted the assistance of an 11-member advisory committee of children who helped design the site, which is targeted to those between the ages of 9 and 11.

KidZone is a new addition to the University's Virtual Museum, which provides access to the U of A's 20-million artifacts, specimens, and works of art. Funding for KidZone was provided by the Department of Canadian Heritage. Edmonton Community Lottery Board, Friends of the University of Alberta Museums, and the University of Alberta also provided financial support for the project.

Visit the U of A KidZone website at *www.museums.ualberta.ca/kidzone/.*

Getting to the heart of the matter

This fall, construction will begin on the $125-million Alberta Heart Institute at the University of Alberta Hospital. Scheduled to open in 2005, the institute will host a comprehensive research program, develop new treatments, and help in the prevention of heart disease, says University dean of medicine and dentistry **Lorne Tyrrell**, '64 BSc, '68 MD. "It will also train more cardiologists, surgeons, and skilled staff that we urgently need," he says. The institute should help reduce the current wait list for the treatment

Engineering to get another new building

There is a new building sprouting up on the west side of campus. In February 2003, construction began on the new $65-million Markin/CNRL Natural Resources Engineering Facility.

The new facility will create almost 30,000 square metres of additional space for the faculty, and it will become home for mining, petroleum, civil, and environmental engineering education. The NREF building will be seven storeys, and the expected completion date of the building exterior, including landscaping, is December 2004.

Located east of 116th Street at 91st Avenue, the NREF construction began with the demolition of the one-storey Blench Hydraulics Lab, named for former engineering professor, Thomas Blench. To watch the site develop, visit the webcam page set up by the engineering faculty at *http://webcam.civil.ualberta.ca/*.

MESSAGE FROM THE PRESIDENT

Roderick D. Fraser
President, University of Alberta

The University of Alberta is fast approaching another spring convocation and the beginning of a new academic year.

This academic year has proven to be challenging in respect to core budget funding. The provincial government, which in your day and mine, accounted for the lion's share of our funding, today accounts for only 32 percent of our annual revenues.

These monies, adjusted for inflation and the number of students, have fallen in the last 25 years by some $180 million a year. As a result, the funding of Alberta's universities places us in 7th rank amongst Canada's 10 provinces.

As many of you are aware, in January the Board of Governors approved an overall tuition increase of 6.9 percent and differential tuition fees for the degrees of MD, LLB, and MBA. Today's tuition has become a necessary source of income for the University in its quest to maintain a high level of excellence in both its teaching and learning environment.

In part through our continued success in the attraction of research partnerships and initiatives, the University of Alberta has been able to maintain that position as one of Canada's finest universities in research, teaching, and community service. Research revenues have grown from approximately $85 million a year to well over $300 million a year in the last several years. These monies have not only been the fuel for our many successful research outcomes, but have also been a saviour for our undergraduate learning environment.

However, the combination of the spillover from research revenues, increased tuition, and the generosity of you, our alumni and benefactors, still falls far short of offsetting the substantial fall in provincial government funding.

Thus, I ask you to reflect on the contributions the University has made to your lives. I ask that you continue to be ambassadors for the University of Alberta. I ask that we all come together as members of the University of Alberta family and give our full and unwavering support. Your efforts, your support, and your gifts, enable your University to more fully achieve its bold vision.

of heart disease and increase access to catheterization and other cardiac care for patients in Alberta and Western Canada.

The institute will also include a newly created $18-million Heart and Stroke Research Centre. This centre, which should be up and running by the end of this year, will support research in the study of blood vessels in heart and stroke disease.

"The institute will help Albertans continue to access state-of-the-art care in Alberta and help us develop as a centre of excellence for Western Canada," says **Sheila Weatherill**, '66 Dip(Nu), '88 BSc(Nu), president and CEO of Capital Health. "The institute will give us the resources we need to keep working at the leading edge of the field, in partnership with the University of Alberta."

Photo: Model of the Alberta Heart Institute

Did you know?

- The University of Alberta Hospital performs the most heart, lung, and heart/lung-combined transplants in Canada.
- The Stollery Children's Hospital performs one of the highest volumes of pediatric cardiac surgery in Canada.
- The U of A is among the world leaders in the study of pulmonary hypertension and energy metabolism to protect the heart.
- According to Health Canada cardiovascular disease, or heart disease, is the number one killer in Canada.

Hope is not about everything turning out okay.
It's about being okay no matter how things turn out. —Anonymous

A bright spot on campus

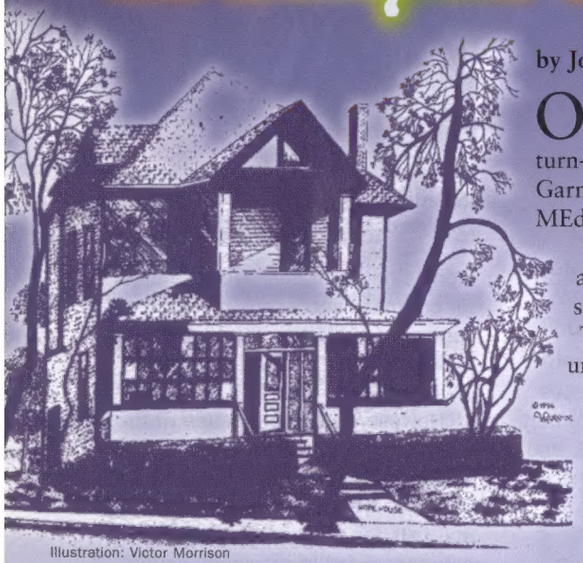


Illustration: Victor Morrison

by Jodeen Litwin

On the way to her office, walking up creaky, wooden stairs in a turn-of-the-century home in old Garneau, **Wendy Edey**, '74 BA, '95 MEd, talks about the character of the house, mentioning how lucky she always thought she was to have a south-facing office with a balcony. That is, she says with a chuckle, until she got stuck on it.

Laughter trickles down the hallway as Edey recounts the mishap—being temporarily locked out of her office, stuck on the balcony two stories above ground. Fortunately, a passerby heeded her cries for help and called Campus Security. It wasn't too long before an officer came by with a key.

Humour is an amazing gift that Edey, the director of counselling at the Hope Foundation, easily shares and skillfully uses to connect people—instantly putting them at ease. Humour is also something Edey says keeps her hopeful, and hope is what her work at the Hope Foundation is all about.

As its name suggests, the Hope Foundation is about hope and increasing the understanding of the role of hope in human life. A joint venture between the Edmonton community and the U of A, the non-profit foundation facilitates learning about hope; teaching about hope; and programming that uses hope, such as the Hope Kids, a project that has young volunteers donating their time to act as companions to the elderly or disabled in continuing care facilities.

The world's leading research centre dedicated to the study of hope in practice, the Hope Foundation has become a popular gathering place where researchers, scholars, and professional psychologists from around the globe meet to discuss hope and educate others about it.

Formed in 1992, the foundation supports the work started by **Ronna Jevne**, '70 BEd, U of A professor emeritus of elementary education and recently retired director of programs and research at the foundation.

Jevne, who helped establish the Hope Foundation, says she was formally introduced to hope years ago when she worked as a psychologist and counsellor at the Cross Cancer Institute. "I came to wonder, not about the distress that so logically accompanies the illness of cancer, but about the strength of the human spirit that manifests itself in hopefulness," she wrote in the article *This Thing Called Hope*. "What was it that drew cancer patients forward into uncertainty?"

When it came to finding an explanation of hope from "psychological jargon," Jevne was not satisfied. It was then that she decided to learn more about hope, and she envisioned a centre of study that would conduct theoretical, empirical, and experiential investigations on hope.

An internationally recognized scholar and a pioneer in hope therapy, Jevne has experienced hope from both sides. Like many of the patients she has counselled, Jevne had her own personal journey with hope when she underwent major surgery in 1996 and 1997.

In her work and in her many articles and books, Jevne has looked at the role of hope in the lives of caregivers and patients. She says the way a patient feels about a health situation is often directly connected to his or her doctor's optimism. Health professionals need to realize that "people are not hopeless because their conditions are."

Ten ways to be intentional about hope

When it comes to staying hopeful, here are some tips the Hope Foundation suggests:

1) Spend time with hopeful people.

2) Tell hopeful stories and ask others to tell hopeful stories to you.

3) Choose an activity which pleases you after it is finished (for example, exercise, lighting candles, helping others) and call that your hope activity.

4) Ask yourself what a hopeful person would do in your circumstances.

5) Look for somebody who is more hopeful than you and ask to borrow his or her hope until you can find some of your own.

6) Find something you can take charge of and take charge of that thing. (We are most susceptible to hopelessness when we feel we have no control.)

7) Read a book about hope.

8) Make a list of things that turned out better than you expected; refer to it when you notice that you aren't expecting things to go well.

9) Find a picture that reminds you of hope and place it where it is clearly visible to you.

10) Write a poem about hope.

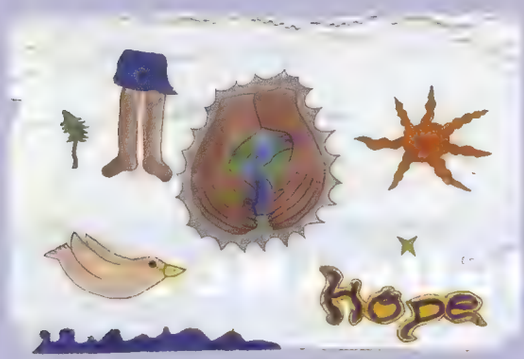
Hope is saying yes to life.
—Ronna Jevne

Former Hope Scholar Jennifer A. Boisvert in the Jack Chesney Resource Centre

Jim Gurnett

What is hope?

Hope is hard to describe using only a word or two. Mercurial in nature, hope tends to be studied—and defined—in the context of something else. This approach is evident in some of the titles of dissertations, in the foundation's Jack Chesney Resource Centre—*First Recurrence of Cancer: Rebuilding Hope; Hoping, Families, and Schizophrenia;* and *The Experience with Hope in People with HIV.*



Hope image drawn by one of Edey's clients.

Hope, says Jevne, is complex and it means something different to everyone. Jevne writes that "hope is big. There is no recipe for it. Hope is about the unexpected, the uncertain, the unwieldy. Hope crosses disciplines; it is not the purview of any one profession. It spans culture and context and continent. It does not follow rules."

With so many different ways to describe hope, Wendy Edey says that the focus at the foundation is on how to use hope in practice. This approach allows the foundation to work with many different target groups, she says, "but our concept always stays the same."

Edey, who works with hope in relation to depression, bipolar disorder, cancer, chronic pain, caregiving, workplace issues, and grief, has seen what hope can accomplish. "The power of hope," she says, "is when we can't achieve a goal that we want right now, we can work towards being more hopeful, and when we do that, then hope becomes something quite powerful."

One way the Hope Foundation works to help people become more hopeful, or to reinforce their hope, is through images—having them find a picture that reminds them of hope. "People will identify a picture and put it where they will see it when they wake up in the morning," says Edey. "After that it becomes more than just a picture, it is hope to them and can mean the difference between getting up and not getting up."

Edey pulls out a large piece of paper from her files. The edges were crinkled, a bit tattered, and there were large, bright images splashed across the paper—there was also printed on it the word "hope." It was drawn by a young girl with a disability that was progressing rather rapidly, and her mother was concerned because she saw the child losing hope. When they met, Edey asked the young girl if she would be comfortable drawing a picture of hope. "When she brought her hope drawing back, I asked her what she would like to do with it?" The young girl wanted Edey to keep the drawing at the foundation, and use it to show people and tell them about her. "And as you can see by the state that it's in, I've shown it to a lot of people," says Edey, smiling brightly.

The proof that hope works is well-documented. Researchers have found that people facing life-threatening diseases do much better when they have substantial levels of hope—they have shorter hospital stays, live longer, and enjoy a higher quality of life. Edey admits that as a counsellor she uses hope for whatever it can be used for, and says she is not afraid to "flaunt hope shamelessly." When asked what advice she would offer to anyone who might be feeling discouraged, she says, "Go in the direction of hope."

"Every time that we think something can't be done, someone comes along and does it," says Edey. "There are a million things that can't be solved at a certain time, it just takes a later time for that same problem to be solved." ■

The Hope Scholar in Residence

"The first time I walked through Hope House, I thought, this is where I am meant to be," says **Jennifer A. Boisvert**, '96 BA, who served as a Hope Scholar in Residence from 1996 to 1997. Her first steps through the old wooden house located just off the main campus were just the beginning of what Boisvert describes as "an amazing year that changed my life in a profound and significant way."

As a Hope Scholar at the Hope Foundation, Boisvert supported the research and the service components of the Foundation's activities. This one-year, funded position also provided for Boisvert to work within a specific area of hope research. Boisvert decided to study eating disorders using a hope-focused perspective. She says her work as a hope scholar "planted the seed" for her master's thesis, which then led her to her current work as PhD candidate in clinical psychology at the University of Regina.

"I wouldn't be where I am today if it wasn't for the support of the Hope Foundation," says Boisvert, who was recently awarded a prestigious grant from the Social Sciences and Humanities Research Council of Canada to support her research on hope and eating disorders. Boisvert credits the mentorship she received from Ronna Jevne, who helped Boisvert realize her passion for hope research. "She taught me to take risks and to see that there is opportunity in challenges," says Boisvert, adding that she came away from the whole experience at the foundation "really embodying hope."

Boisvert says the Hope Foundation added to the breadth and depth to her education. "The learning I received from the Hope Foundation is lifelong learning; it is not at all contained within four years of a degree," she says. "The Hope Foundation really plants seeds of transformation and inspiration—it has planted those seeds in me and in others."

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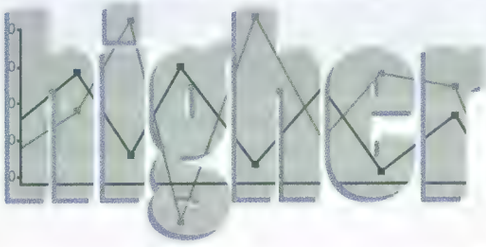
Finding the funds for higher education



Next fall, general tuition fees will increase at the University of Alberta for the 15th year in a row, and much of the University community will remember this past year for its heated tuition debates and student protests.

The debates culminated in a marathon session of the U of A's Board of Governors in January. At the end of the $4^1/_2$-hour meeting, the board approved an amended proposal that will raise general tuition fees by 6.9 percent, the largest increase in five years, and introduce differential tuition fees in three degree programs. The differential tuition fees will not apply to students currently enrolled in the affected programs.

by Roland Lines
with reports from Richard Cairney and Ryan Smith

General tuition fees for undergraduate students in the arts and sciences will be $4,310 for the 2003/04 academic term. In the Faculty of Medicine and Dentistry, the differential fee for the MD program will be $2,000 in 2003, $4,000 in 2004, and $6,000 in 2005, raising the total tuition for medical students to $12,066 a year in 2005 (assuming no further increases in base tuition fees). In the Faculty of Law, the LLB differential fee will be $2,000 in 2003 and $4,000 in 2004, raising the total tuition to $8,597 a year in 2004. In the School of Business, the MBA differential fee will be $2,500 in 2003 and $5,000 in 2004, raising the total tuition to $9,801 in 2004. The plan for a differential tuition fee in the bachelor of commerce program was dropped because the province's Student Finance Board could not guarantee a corresponding rise in the maximum loan levels for commerce students.

The current debates about tuition increases are not limited to the University of Alberta, to the province of Alberta, or even to Canada. Worldwide, funding for post-secondary education is undergoing changes as institutions and governments look for new ways to support it.

According to Statistics Canada, education represents the second-largest category of public expenditure in Canada, exceeded only by spending on health. Among Canada's education institutions, universities receive the highest per-student funding: for the 2000/01 year, total contributions from all levels of government stood at $8.7 billion.

The Centre for Educational Research and Innovation at the Organization for Economic Cooperation and Development (OECD), found that out of the 30 OECD countries, Canada ranked ninth, directly ahead of the United States, for per-student public funding of post-secondary education in 1999.

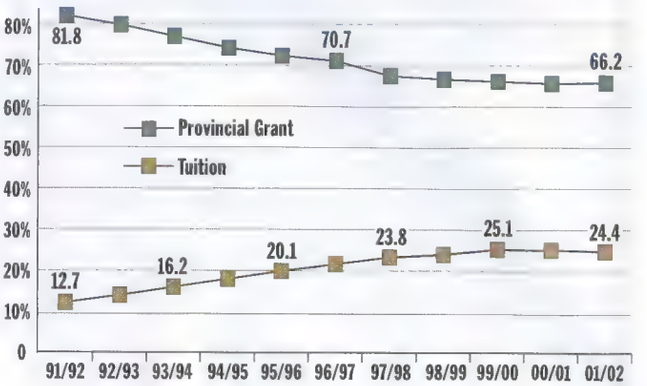
If you consider the combined total of both public and private spending on post-secondary education, Canada ranked third in the OECD in 1999, behind the United States and Switzerland, on a per-student basis. If post-secondary spending is expressed as a portion of the country's gross domestic product (GDP), Canada ranked first.

The majority of OECD countries still don't charge tuition fees under most situations—Norway doesn't even charge foreign students—but in the 12 OECD countries that do, a common trend in tuition-fee systems has been an increase not just in tuition amounts, but also in the portion of total post-secondary revenues coming from tuition fees.

In the United States, data from the National Centre for Education Statistics shows that tuition fees increased an average of 78 percent at private institutions from 1980/81 to 1994/95, and 95 percent at public institutions during the same period. The portion of revenues coming from tuition fees at private institutions was 37 percent in 1980/81 and 42 percent in1994/95; at public institutions it was 13 percent in 1980/81 and 18 percent in 1994/95.

Australia eliminated its free university education program in the late 1980s when it introduced the Higher Education Contribution Scheme (HECS). With some similarities to the Canada Student Loans program, HECS pays all tuition fees while the student is studying. Graduates are charged 30 to 40 percent of the cost of their studies, with payments due only when the graduate earns above a threshold wage level. During the mid-1990s,

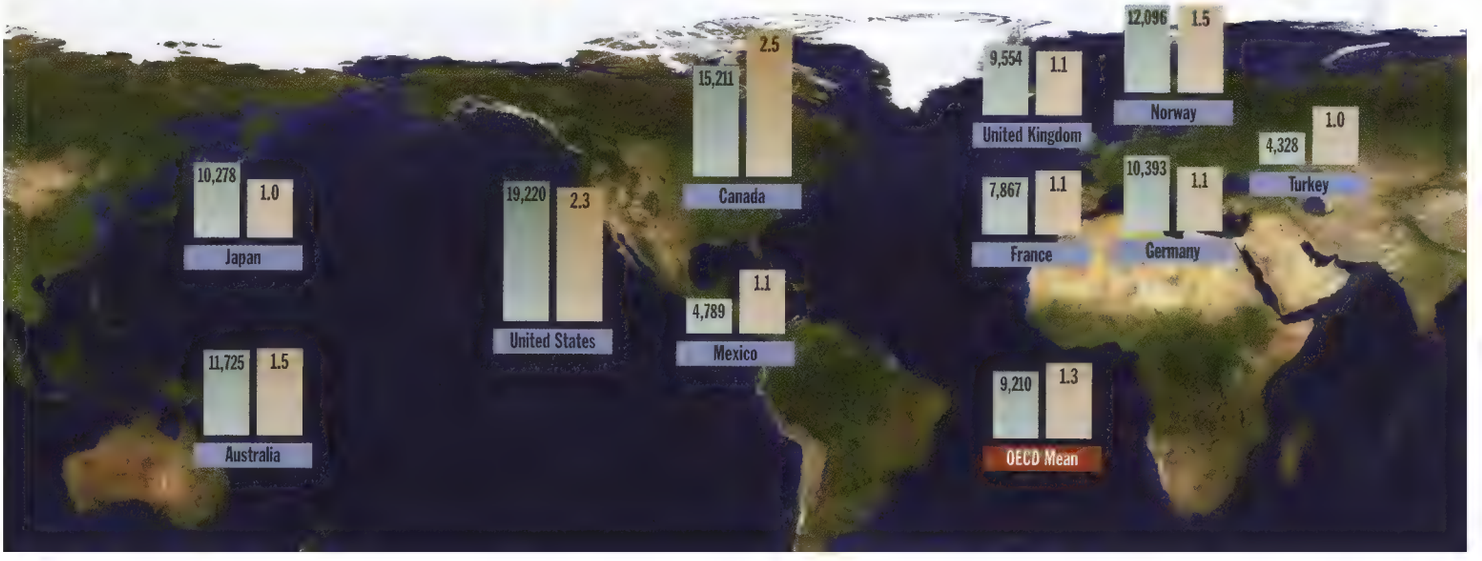
University of Alberta: tuition revenue and operating grants as percentage of total operating costs (Source: University of Alberta)

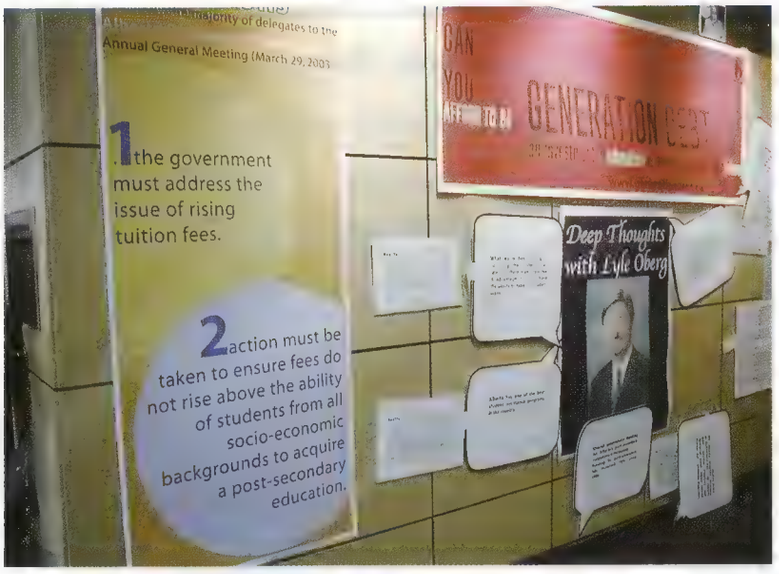


Expenditures on post-secondary institutions, 1999 (Source: OECD)

Per Student
Annual expenditure in equivalent US dollars from combined public and private sources

As percentage of GDP
Annual expenditure from combined public and private sources





One wall in the Students' Union Building became a focus of student information to protest tuition increases.

HECS payments accounted for about 13 percent of university revenues, but by 1999 that number had increased to 19 percent.

The United Kingdom first introduced tuition fees in the 1998/99 academic term, setting them at £1,000 across the board. (In 1998, £1,000 was worth approximately $2,500.) In January 2003, in an even more controversial move that triggered widespread student protests, the British government confirmed a plan to move to a system more like Australia's. Providing the proposed legislation can be passed after the next general election, English universities will be able to set their own tuition fees—up to a current maximum of £3,000—and students will be able to defer payment until after graduation.

The situation is different in Scotland and Wales, which each have separate control of their education systems. Tuition fees were never introduced in Scotland, and the government there has come out firmly against the English "top-up" fees. The Welsh government has said it won't increase the tuition cap beyond its current £1,100 a year, but it will bring in the option of deferred payments. According to a *BBC News* report, both jurisdictions have voiced concerns that they might be flooded by "tuition refugees" from England.

The most recent tuition data from Statistics Canada shows an increasing gulf between the highest and lowest provincial averages for total student fees. In 1993/94, Nova Scotia had the highest fees, with a total average undergraduate tuition and other compulsory fees of $2,910. This rate was $1,155 (66 percent) higher than the average Quebec fees of $1,755. In 2002/03, those two provinces held the same ranks, but this time Nova Scotia's average of $5,643 was $3,352 (146 percent) higher than Quebec's average of $2,291.

The largest total average fee increase from 1993 to 2002 was in Ontario (112 percent), while the lowest was in Quebec (31 percent). Both of these increases were higher than the national inflation rate of 18 percent for the same period.

Newfoundland and Labrador reduced its total fees by 9 percent from 2001 to 2002, but increases during the late 1990s meant its nine-year change was still 46 percent. In British Columbia, after the new provincial government lifted a seven-year tuition freeze, total fees jumped by 24 percent from 2001 to 2002—the highest of any province.

Alberta's nine-year fee increase was 85 percent, slightly above the national average of 84 percent. It moved from being the third most expensive province in 1993/94 to being the fourth most expensive in 2002/03.

In the provincial legislature, the opposition parties have criticized the Alberta government for undervaluing education, saying its cuts to university funding are the reason the U of A and other post-secondary institutions have raised their tuitions.

"Why is it that Alberta, with a healthy economy, cannot hold the line on tuition, while Newfoundland is moving in the opposite direction?" said New Democrat leader Raj Pannu after the University of Alberta first announced next year's tuition increases.

...an increasing gulf between the highest and lowest provincial averages for total student fees.

This criticism is supported by a study released in March by the Parkland Institute, a non-partisan Alberta research network situated within the University's Faculty of Arts. The study, *Alberta's 'Good Enough' Approach to Fiscal Management*, argues that in times of plenty the Alberta government has been overly concerned with eliminating the provincial debt, while neglecting social programs.

"Alberta is an extremely fortunate province," said the Parkland Institute's research director, **Trevor Harrison**, '93 PhD. "We have oil and gas revenues and a well-educated populace who are energetic and hard-working, but if you look at it, Alberta funds a lot of its programs kind of middle of the road."

According to a Statistics Canada analysis of the 2001/02 fiscal year, provincial transfers accounted for 46 percent of total university and college revenues in Alberta, which is just below the national average of 47 percent.

The provincial funding situation at the University of Alberta was improved slightly by the 2003/04 provincial budget announced in April. It included promises of $105 million for the Health Research Innovation Facility and $25 million for the Natural Resources Engineering Facility, in addition to the funding for the Cardiac Centre of Excellence announced in January.

"We're very happy with this capital funding announcement," says Doug Owram, U of A provost and vice-president of academic. "We haven't seen the details yet, but these facilities are absolutely critical to our growth and maintaining our top researchers, and this new funding is exactly what we have been waiting and hoping for."

In other areas, however, the provincial budget received a mixed response from the University administration, because the University's base operating grant is set to increase by only 2 percent a year for the next three years.

"We're certainly hoping [provincial government officials] change their minds about the 2 percent increases, which don't keep up with the cost of inflation, especially with regard to utility costs," Owram says. "This level of increase will only put greater pressure on our core budgets in the future, and raising tuition every year will not relieve this pressure over time."

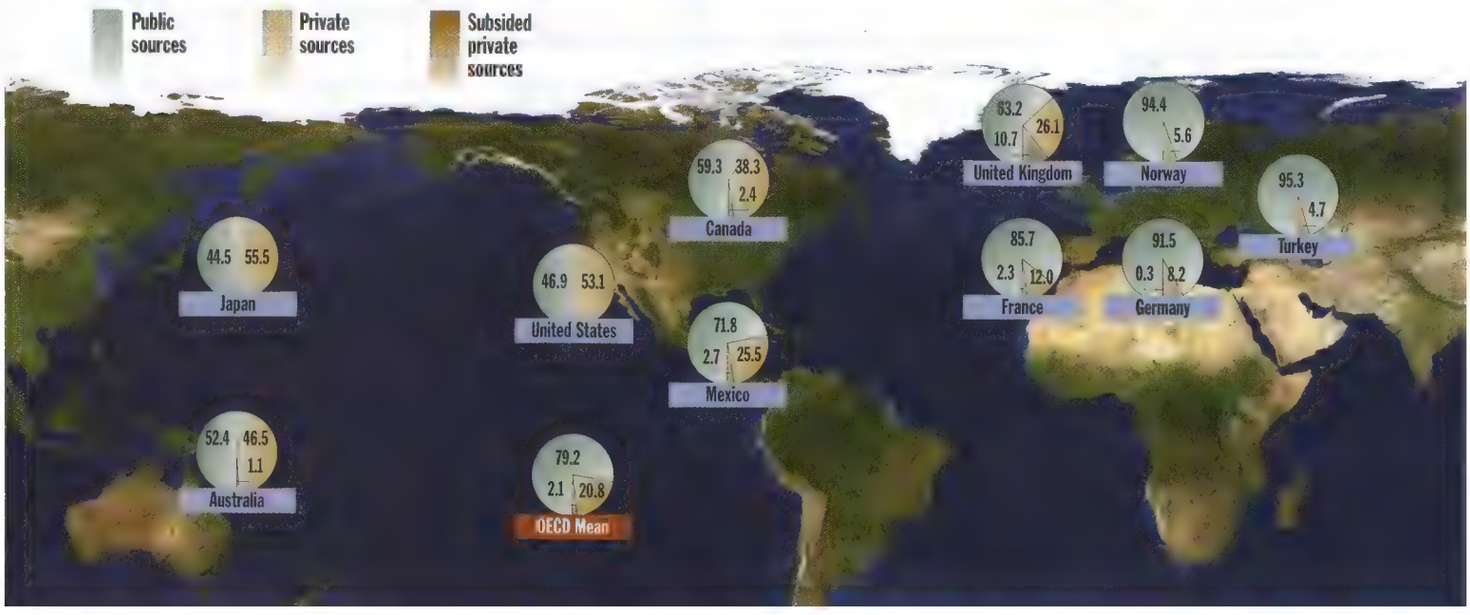
"...students... come for four years, not just one year, and you need steady funding... throughout their time at the U of A."

The new provincial budget also includes one-time funding for "access and performance." The access fund is aimed at increasing the number of students able to attend post-secondary institutions in the province. The performance incentives are based on each institution meeting pre-set standards, such as bringing in a set amount of research grants and meeting enrollment targets. Owram says the University expects to get about $5 million of the $20 million the province has set aside for the funding formula.

"This one-time funding will help enormously, but I'd really like to see it become a permanent part of the budget," Owram says. "If you provide money for access, for example, the students that you attract come for four years, not just one year, and you need steady funding to be able to accommodate them throughout their time at the U of A."

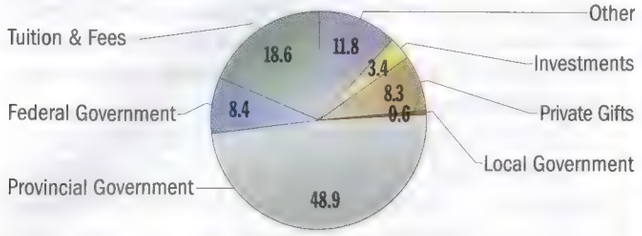
$$$

Relative proportions of public and private expenditure on post-secondary educational institutions, 1999 (Source: OECD)

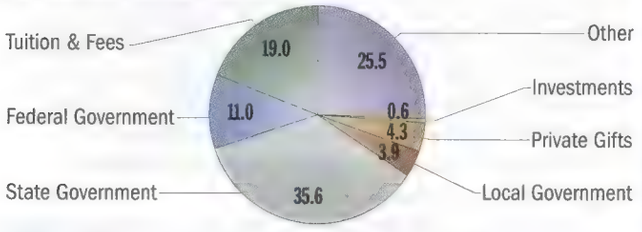


Sources of revenue for post-secondary education as percentage of total (1997)

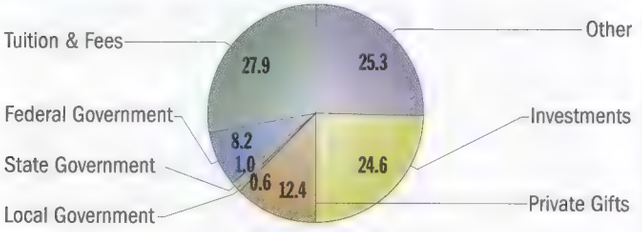
Canada
Source: Statistics Canada



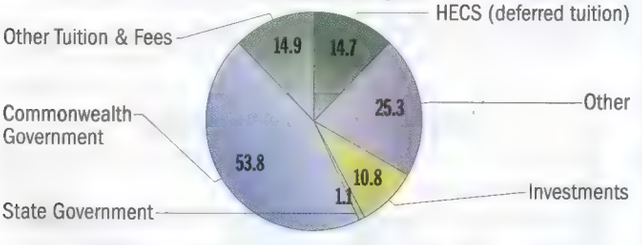
USA: Public Institutions
Source: National Centre for Education Statistics



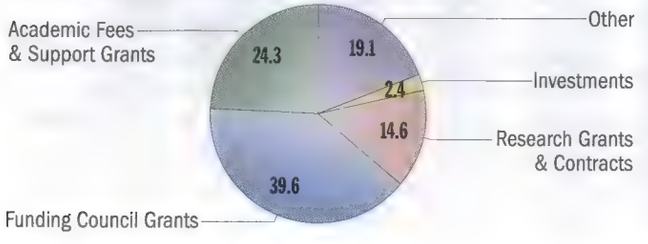
USA: Private Institutions
Source: National Centre for Education Statistics



Australia
Source: Department of Education, Science and Training



United Kingdom
Source: Department for Education and Skills



This provincial budget was preceded by a couple of weeks by the University's 2003/04 budget. With conflicting indicators of success—a robust research environment and growing enrollments on one hand, but enormous financial constraints on the other—the Board of Governors approved its second consecutive deficit budget as it continues on a four-year plan to eliminate the University's structural deficit.

The 2003/04 budget focuses on teaching and research, aims for $7 million in new revenue, and includes efforts to control the rise in staff benefits costs.

The budget also includes capital spending of $143 million in new buildings and upgrades, which creates a paradox: while budgets are being cut around campus, new buildings are going up.

"Without [the utility] increases we would have a balanced budget..."

"That's the way the money comes in," says Owram. "The big characteristic of the last 10 to 12 years is that we've gone from having a budget driven primarily by provincial grants in a core operating budget—in other words, money we can use any way we want—to a budget that is made up of dozens and dozens of different envelopes. And the money has come much more to the research side than it used to."

Between 1995 and 2000, research funding at the University increased by 96 percent to more than $255 million. That figure is expected to reach $400 million annually by 2005.

The tremendous research growth creates what Owram calls "strange distortions between affluence on the one part and poverty on the other." But Owram says research funding is an investment in the University's future, and with the increases in research grants, new facilities are a must.

New facilities and research activities bring with them increased operating costs that are not covered by the capital and research grants.

"When research money comes in, it goes to what the research specifically has to pay for, such as materials, equipment, and salaries," says Phyllis Clark, the University's vice-president of finance and administration. "We can't take a slice off the research money and use it to cover the overhead costs associated with research, such as heating and power expenses."

Clark says the federal government provides some support annually for the indirect costs of research, and the University has alerted the province to the operating implications of new facilities.

"In the past, the province has supplied money to cover the operating costs of new buildings," says Clark. "The University has no reason to expect a change in that policy."

The biggest area of spending in the budget is still salaries and benefits, at $560 million, but skyrocketing utility costs are problematic. Owram says energy costs had been stable at about $15 million a year during the mid- to late 1990s, but they are estimated to hit more than $30 million this year.

The increasing cost of utilities is one of the frustrations for Clark. She says it is something that is outside the University's control but has a profound effect on its finances.

"Without [the utility] increases we would have a balanced budget," says Clark. "We made strategic choices about what we need to spend money on to make sure we remain a very strong, research-intensive university," she says. "The only thing that wasn't a conscious choice was utilities. That is the one budget line that is extremely demanding and extremely frustrating because it is not directly enhancing the quality of education or research."

Owram and Clark both cite the Board of Governors' approval of $3.5 million in financing for an energy management program as a step towards controlling utility costs. In existence at the University since the mid-1970s, the program resulted in energy savings of $12.5 million last year.

The previously announced tuition increases are the other big feature of this year's budget. The controversial introduction of differential fees in the Faculty of Law, the Faculty of Medicine and Dentistry, and the School of Business is intended to help those programs survive rising costs, as well as fierce competition for faculty from other Canadian universities—many of which already charge differential fees.

Differential fees were introduced in Ontario in 1998, when that province implemented a deregulated tuition scheme, and the University of Alberta might be able to learn from their effect on Ontario's post-secondary education system.

A dramatic increase in tuition fees has been one of the changes in Ontario, and several studies have shown a corresponding decline in enrollment by lower-income students.

A 2001 survey of medical students conducted by the Department of Epidemiology and Biostatistics at the University of Western Ontario found that the average family income of incoming medical students was $80,000 in 1997 and $140,000 in 2001. It also found that the proportion of medical students from families with an income less than $60,000 had decreased to 15 percent from 35 percent.

A study at the University of Guelph found that 40 percent fewer low-income individuals were attending that university as tuition rose between 1998 and 2000. Overall in Ontario, the number of medical students with a family income of less than $40,000 declined to 15 percent from 23 percent.

"If the quality and reputation of a university drops, it can take decades for it to recover."

Owram agrees that accessibility to a university education is affected by tuition increases, but he says an increased availability of loans, scholarships, and bursaries helps mitigate the effects. The three faculties that are introducing differential fees at the U of A have proposed directing 20 to 30 percent of the revenues towards scholarships and bursaries to help attract lower-income students.

"Our top priority is quality, and not just quality for current students and faculty, but quality in the future, as well," says Owram. "If the quality and reputation of a university drops, it can take decades for it to recover."

$$$

Despite their many disagreements during this year's budget debates, student leaders and their Board of Governor colleagues share some common ground in their belief that the provincial government must increase its financial support to the University of Alberta.

The issue of whether or not the U of A's administration and students can work together to change the province's approach first came up at the fifth annual Tuition Town Hall meeting last November. Introduced by Owram in 1998 as an answer to rising tensions over tuition increases, the town hall meetings allow University administrators and students to share and discuss numbers, options and facts.

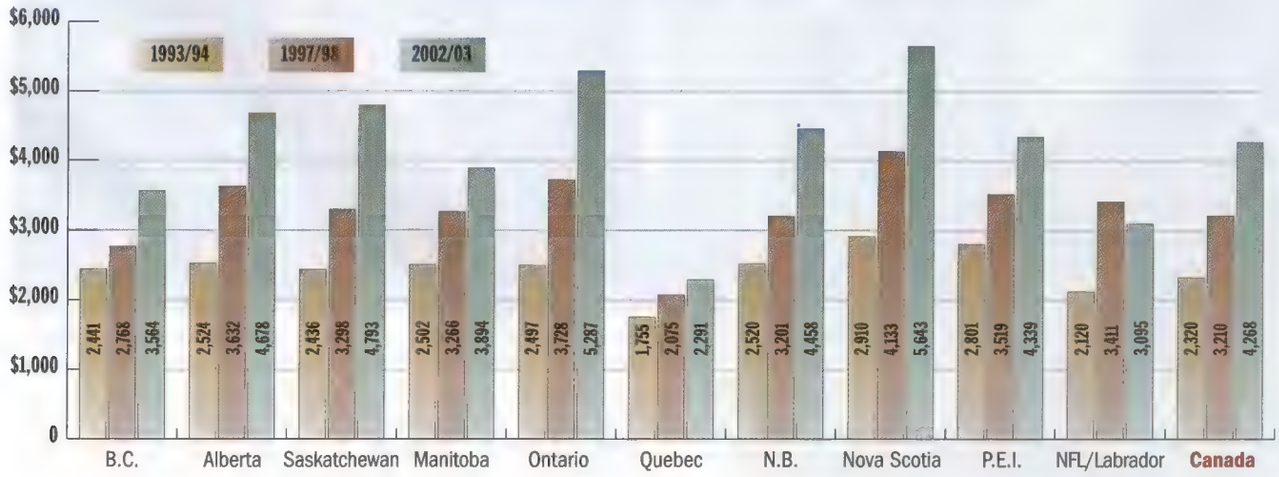
"It's a no-brainer that the students and administrators would be more effective if we all went to the government together with the same message: 'We need more funding'," said Students' Union president **Mike Hudema**, '00 BEd. "If there is one thing [students] have been successful in doing, it's been as the drivers of media coverage and creating awareness about the need for more post-secondary funding in this province," he said.

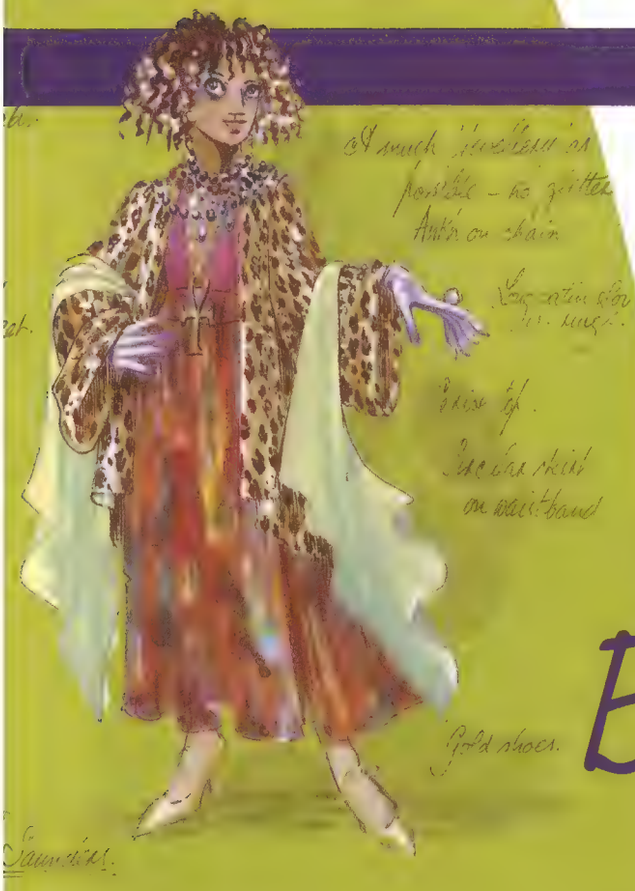
Owram said that the University administration is also doing what it can to lobby the province for more funds, but he said they were working against long-standing attitudes to post-secondary education in Alberta.

"In our society, we have agreed that funding for schools from kindergarten to grade 12 is a public good, but the evidence is also that funding for post-secondary students is seen as more of a user-pay system," said Owram. "That's the way it is written in the Alberta Universities Act, and that's the consistent message we're getting from the provincial government."

At the end of the January meeting at which the Board of Governors approved the tuition increases for next year, board chair **Jim Edwards**, '62 BA, said Albertans need to be made aware of the funding situation. "Let us take that as our next mission, and at the same time recognize that this is a public opinion that must be brought to bear on those elected officials," he said. ■

Average undergraduate tuition and additional compulsory fees across Canada (Source: Statistics Canada)





By Jodeen Litwin

Photographs by Ian Jackson, Epic Photography

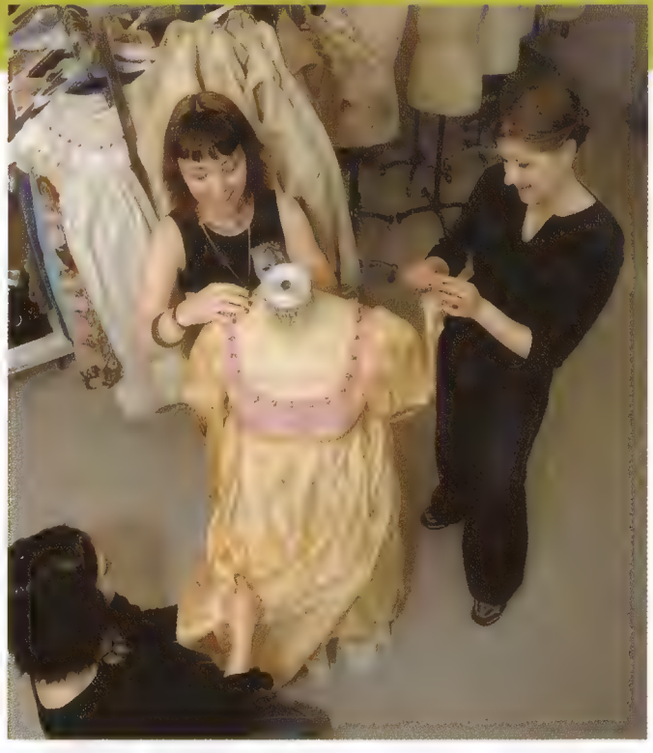
Backstage at the

A peek at the action

that takes place behind the scenes at the Timms Centre for the Arts, a living laboratory for the U of A's Department of Drama

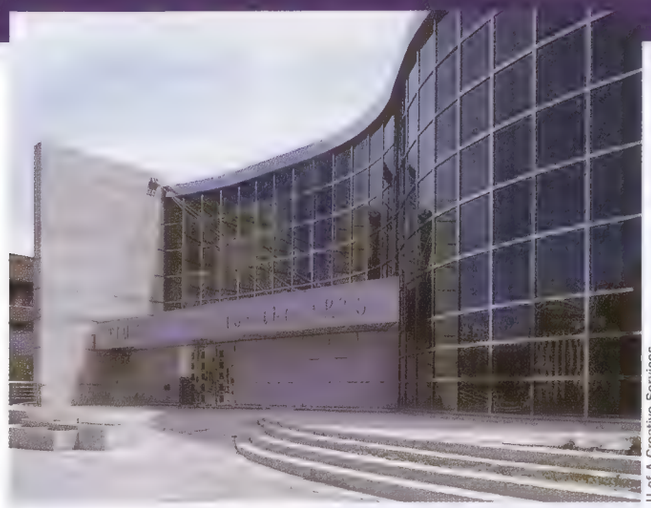
As **Erik Einsiedel**, '00 BA, recruiter for the drama department, guided us through tall doors leading towards the backstage area of the Timms Centre, it was as if he took us over the rainbow—minus the twister—to an Oz-like land of make-believe. Here, behind the set stage, Einsiedel showed us where the magic begins and where anything imaginable is possible.

The tour started in the costume shop, a giant-sized room packed with clothing and accessories. Like Mr. Dressup's tickle trunk, it has costumes galore. Five years ago, an inventory of clothing listed more than 17,000 items. Today, there are more—many more—says **Joanna Johnston**, '83 BSc(HEc), wardrobe manager, adding that currently the shop holds more than $1 million-worth of costumes.



A stitch in time: Costume creation, fittings, and repairs are all part of the job for those studying design. Here, first-year design students work with one of the many thousands of costumes that are stored in the wardrobe department. (Pictured left to right: Melissa Cuerrier, Kat Hanington, and Jen Reinholdt.)

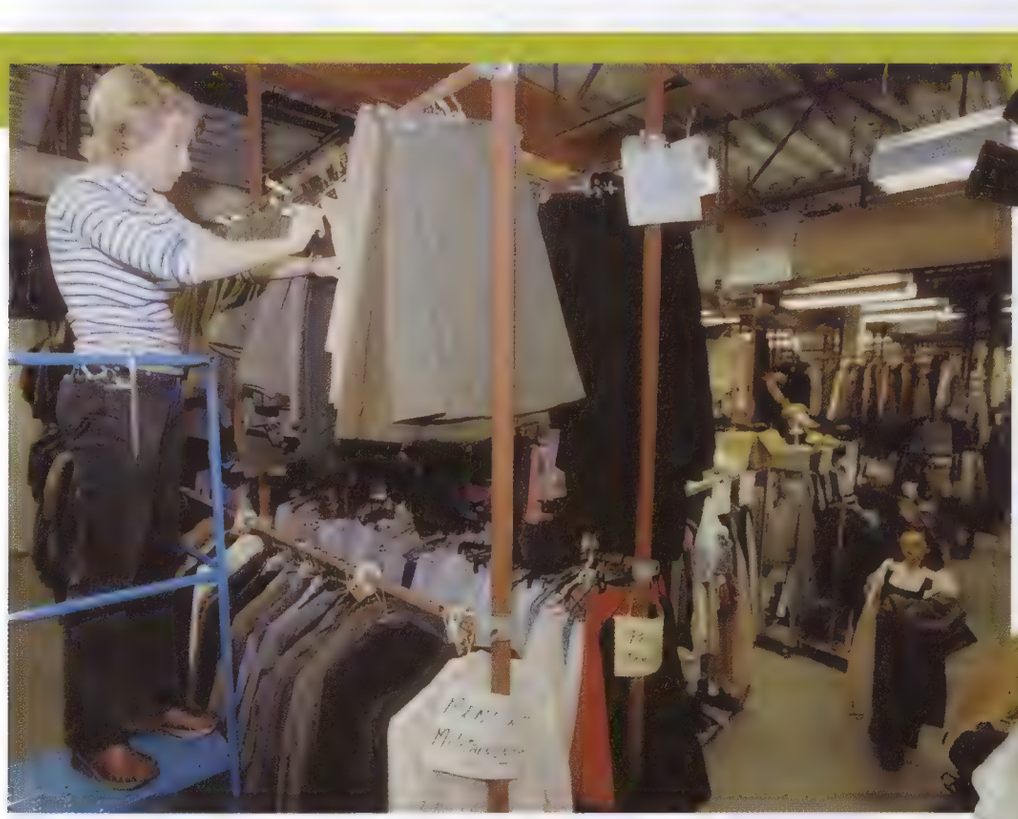
Top — A costume design for *The Plough and the Stars* by Colin Winslow, a U of A sessional instructor in the drama department.



U of A Creative Services

Timms Centre

Timms Centre for the Arts



In Search of: Beth Campbell, a first-year design student, searches through racks of clothing in the costume storage area.

Crowning glory: This helmet is a creation of props master Viola Dobler. It was made for Studio Theatre's production of *Lysistrata*, a racy comedy that was adapted from Aristophanes' classic Greek play, which ran from 6–15 February 2003. Viola made the helmet from fiberglass, and she used broom bristles placed on a styrofoam bar to make the crest on top.

Walking past the stacked racks of clothing, we entered into a room that would be any shoe-aholic's fantasy. It's almost unbelievable the hundreds of shoes that sit on the shelves.

But it all comes in handy, says Johnston, who is responsible for creating or finding the costumes used in productions. How many costumes are used in one show? "It varies from production to production," she says. For example, in *The Plough and the Stars*, which ran from 27 March to 5 April, about 2,500 pieces were needed.

The next stop was the prop shop, where Viola Dobler, the props master, showed off some of her creations, including a pickled brain in a jar, which she made using wax and Crayola crayons. With an incredible knack for being resourceful, Dobler sees all ordinary things as possible props. For example, she once turned a pool cue into a traditional Japanese stringed instrument. Dobler enjoys her work, which involves teaching her craft to students. "It is really fulfilling to see their excitement and the fun they have making something," she says. "I learn as much from the students as I teach them."

The next stop on the tour was the carpentry shop, a spacious room with high ceilings where sets are constructed. Students, under the watchful eye of head carpenter Dave Miller, learn construction techniques using wood or metal. A modern carpentry shop, it was designed with safety in mind. For example, it has a top-notch ventilation system and all the wood tools are attached to a dust extractor, which draws dust outside rather than collecting in the shop.

The colourful splotches decorating the floor of the room beside the carpentry shop was a giveaway that this room was the paint shop, the place where backcloths are painted for scenery. Here, second-year technician student Ben Moore showed us one of his scene-painting projects. "We are given an image from a designer on a piece of paper, and we try to make it look exactly like that image," he says.

Everything plus the kitchen sink: It's a room jam-packed with all kinds of things—imaginable and unimaginable. Here, first-year design student Melissa Cuerrier checks out some of the items on the shelves in the prop storage room.

Technicolour: Second-year student Ben Moore works on his scene-painting project in the paint shop. In his left hand, he holds the image from the designer, which he is trying to duplicate.

Fenced in by footwear: Jayne Crickett, a first-year student in theatre design, looks at some of the shoes crammed into this room, a size and style for every occasion.

Ready for action: Labelled spots on a table hold carefully placed props used in the performance.

To get backstage from the paint shop, we maneuvered our way around chairs, a fireplace mantle, and coffee tables specifically placed in labelled areas roped off by masking tape. Einsiedel explained that everything was in its place, ready for that night's show, *The Plough and the Stars*.

With all the curtains up, the entire stage area looks cavernous; it has a much different look—and feel—than it does from the seats in the audience. Backstage, hiding in the full-sized wings, are tables loaded with props, again strategically placed in labelled spots, and there are also some larger props sitting in the wings, waiting for their cue.

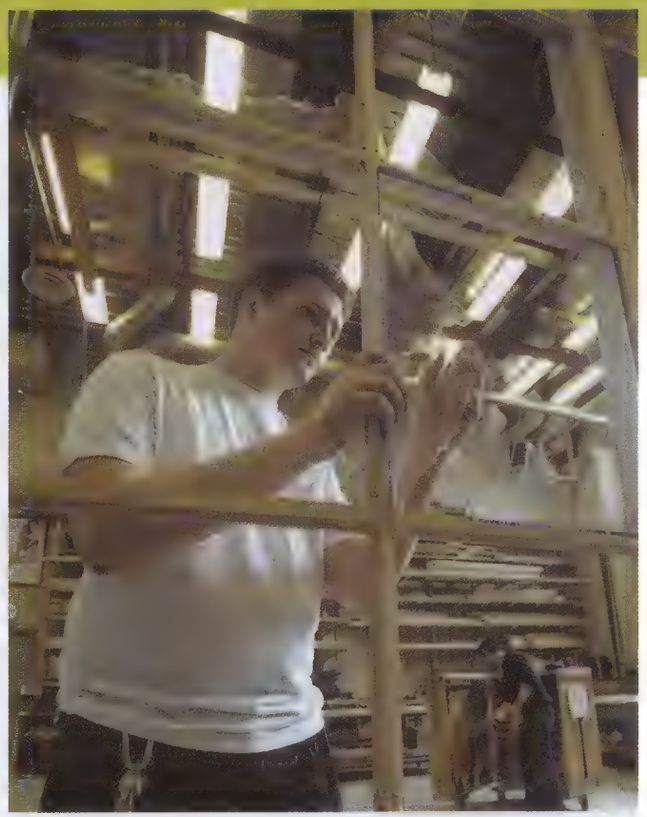
The tour ended with a visit to the command centre of the theatre: the lighting, sound, and control booths, which are extra spacious to accommodate an entire class of students. The booths offer some of the best seats in the house, and have an excellent view of the stage, allowing the operators to react quickly to any problems. For *The Plough and the Stars*, the stage manager, who sits in the control booth, was fourth-year BFA student Mandy Worthington-Wallin. She says things with the show have been going well minus one glitch the other night. "A doorknob fell off, which made entrances more interesting."

The creative forces at work at the Timms Centre for the Arts are impressive. It is a production house where U of A students and their teachers become the heart and soul of every production. There is no shortage of imagination at the Timms, and it is an incredible learning tool for one of Canada's leading University-based theatre programs.

The Timms Centre for the Arts was the first building on campus to be created principally from private funding. Eva and Albert Timms bequeathed their estate to the University of Alberta to further their dream—to have the Timms name attached to a permanent building on the U of A Campus.

For information on the 2002–2003 Studio Theatre Season at the Timms Centre for the Arts visit *www.ualberta.ca/~drama/Studio/*.

Stage managers in training: Students studying to be stage mangers take some timeout to compare notes. One of the many duties of a stage manager is blocking notation, which is the tracking of an actor's movements throughout a scene. The stage they are sitting on is set for the production of *The Plough and the Stars*.



Bits and pieces: In the carpentry shop, Ben Moore shows how he built this scenery for the production, *The Ends of the Earth*. "I scored it, then cracked it, then placed the pieces back," says Moore, who worked from a designer's plans to create this piece.

In the spotlight: Sean Dixon, a soon-to-be alumnus, adjusts a light on the grid to make sure that the stage is properly lit. Sean, who was a technician student specializing in carpentry, will convocate in June.

She's in control: Third-year student Tina Goralaski operates the Strand lighting board and the Martin Case Intelligent Lighting Controller, which is on loan to the Timms Centre from Acoustic Positioning Research Inc. (APR), a company doing research with the drama department.

Beyond the theatre

There is more than just theatre going on at the Timms Centre for the Arts, says Joyce Belanger, events coordinator for the University's drama department.

There have been weddings, hair shows, and press conferences, just to name a few, says Belanger. She adds that the main stage is a great place to bring an event alive. "We can transform the space into something entirely different." For example when the U of A School of Business launched a new initiative with the Alberta Business Family Institute, the stage was set up to look like a living room, she says.

Excluding Studio Theatre events, Belanger says that last year there were roughly 20,000 people that attended events at the Timms Centre. "The Timms can facilitate all kinds of events, and we want to be open to the community for more than just theatre."

For more information on the Timms Centre for the Arts contact 492-2273.

At the top of the class

Hats off to the recipients of the 2003 University of Alberta Alumni Association Leadership Awards.

In addition to achieving stellar grades, all of these students have demonstrated strong leadership abilities, contributing to the betterment of the University and the greater community.

It took several attempts, but *New Trail* was able to catch up with this very busy bunch to find out more about them, their future plans, and the leaders they admire.

Celebrating the Recipients of the Alumni Association Scholarship Awards

Julia Kathryn Drager

Faculty of Science, Honours Physiology
Alumni 75th Anniversary Scholarship

In addition to her schoolwork, Julia helps out at the University of Alberta Hospital as a pediatric unit volunteer and program assistant, and she volunteers with Little Bits Riding, a non-profit organization that offers people with disabilities the chance to enjoy the therapeutic benefits of horseback riding. Julia says she enjoys working with children. "The kids are so strong, and it puts so many things into perspective." Julia also participates in the Faculty of Science Mentor Program and serves as the third-year representative on the University Physiology Students' Association (UPSA).

Who is the leader you most admire? I couldn't pick just one. A great leader is anyone who leads by example and has a positive effect on all those whom he or she influences—a great leader can be your best friend or the head of a country.

Future plans? Right now, I'm looking at finishing this degree and following with medical school. I would ultimately like to have a career in a medical field that involves children.

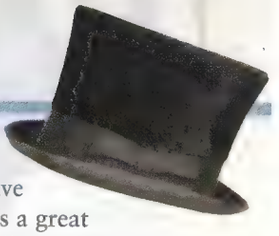
Janine McCready

Faculty of Science, Honours Neuroscience
Alumni Council Millennium Scholarship

A dedicated volunteer, Janine spends her free time serving as the vice-chair and Tanzania advisor for the Students' International Health Association (SIHA). Janine also coaches a girls' community soccer team. The one volunteer activity that Janine describes as "an amazing experience that has allowed me to learn and develop my interests and abilities" is her work with SUNIA—Seminar on the United Nations and International Affairs. In her downtime, Janine says her favourite U of A hangout is either SUB or RATT.

Who is the leader you most admire? Gandhi. He combined his education with his ideals for equality, to develop the attitudes and techniques of non-violent resistance to lead India in the independence movement. What is truly amazing was his focus on his goals and the non-violent methods that he followed to achieve independence.

Future plans? Possibly medical or grad school. The end goal is to be involved in public health internationally and in community health and policy work in Canada.



Steven Schendel

Faculty of Science, Honours Neuroscience
Maimie S. Simpson Memorial Scholarship
Alumni Advantage Scholarship (Undergraduate)

On campus, Steven says that he can most often be found in the office of the University of Alberta Science Undergrad Society (UASUS), where he acts as the vice-president (academic). Steven is also the chair of the Premedical Society, serves as the science undergraduate representative on General Faculty Council, and he is also involved with the Faculty of Science Mentor Program. "It's nice to know on a firsthand basis the way the SU and Faculty Groups deal with student issues." Off campus, Steven volunteers as an emergency room aid at the Misercordia Hospital and as a gallery guide with Edmonton Odyssium.

Who is the leader you most admire? Winston Churchill. He was an amazing leader for his astounding powers of oratory, and to mobilize a people with a singe vision. He certainly was inspirational.

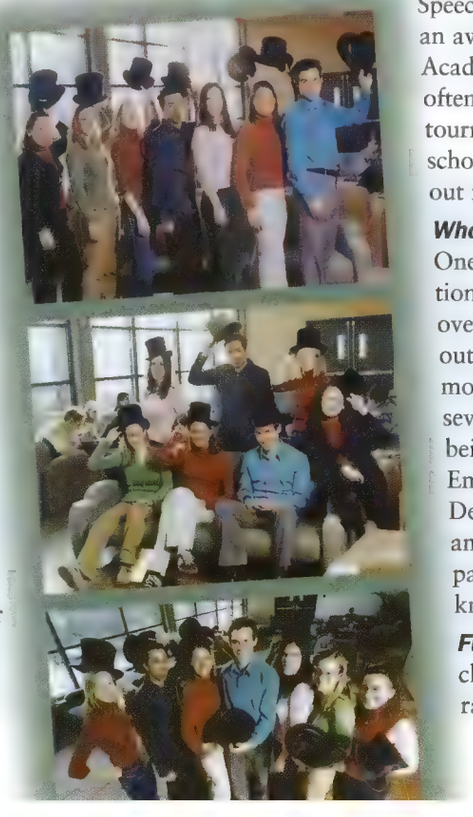
Future plans? I would like to do research in the field of neuroscience, or perhaps apply to medical school. I'm still trying to determine what aspects of my education that I enjoy the most. I am very open-minded about my career plans.

Cassandra McDonough

Faculty of Science, Honours Neuroscience
Reginald Charles Lister Memorial Scholarship

A self-starter with lots of get-up-and-go, Cassandra founded a volunteer program for University of Alberta students to help out at Sorrentino's Compassion House, where she volunteers as a night manager. Cassandra also established Compassion House Volunteers, a student group for all the SCH volunteers who hold permanent recreation volunteer positions, helping with special events and fundraisers, and she coaches high school soccer and tutors high school students.

That's not all—Cassandra is involved with the Faculty of Science Mentor Program, is an executive member of the Golden Key International Honours Society, and is the secretary for the University's Neuroscience Students' Association. A willing volunteer, Cassandra has a special place for her work at Sorrentino's Compassion House. "Many of my family members have been affected by cancer, and I think this is a great way to identify with others who are equally passionate in helping this cause."



On campus when she's not in a class or lab, Cassandra can be found in the SUB Alumni Room.

Who is the leader you most admire? I don't admire any one leader. I have a lot of respect for individuals who put others ahead of themselves and for those who combine foresight, dedication, responsibility, a positive attitude, and hard work—they will be natural leaders in everything that they do.

Future plans? Something in public health—maybe medicine, physical therapy, or pursuing my master's degree in public health.

Talib Rajwani, '02 BMed

Faculty of Graduate Studies
Alumni Advantage Scholarship (Graduate)

A 2002 recipient of a special Alberta Science and Technology (ASTech) Leadership Award for his research on scoliosis, Talib is already making waves in the research world. In addition to his studies, Talib volunteers at WIN House, participates in high school mentorship programs, and helps out at various Capital Care Extended Care Centers. Talib is also an active member of ButtOut, a program that provides anti-smoking education for elementary students. A member of the U of A Speech and Debate Society, Talib, who has an award named after him at Old Scona Academic High School in Edmonton, often volunteers his time to judge debate tournaments at the junior high and high school level. Talib says his U of A hangout is the "new—and improved—SUB."

Who is the leader you most admire? One of the leaders that I find inspirational is Abraham Lincoln. Lincoln overcame tremendous hardship throughout the course of his life—losing his mother, three of his four children, and several elections—before eventually being elected President and issuing the Emancipation Proclamation in 1863. Despite his tribulations, Lincoln's ambition was described by his legal partner as being "a little engine that knew no rest."

Future plans? I hope to balance a clinical and research-based career in radiology.

Lotus Studio

Top students

Erin Hertz, '01 BSc

Faculty of Nursing After-degree
Reginald Charles Lister Memorial Scholarship

Erin is a student in the new after-degree program in nursing. She keeps a hectic schedule, volunteering on the advisory committee of Faith Lift, the United Church Campus Ministry, and at Sorrentino's Compassion House, a facility that supports Northern Alberta breast cancer patients and their families during treatment and the early stages of recovery. Working at Compassion House is important to Erin who comes from a rural community, and really appreciates what a place like Compassion House can mean to people from Northern Alberta, who have to stay in Edmonton for treatment. Erin is also the director of a youth play, *A Fair Trade*, and serves on the After-degree Grad 2003 committee. If she has some free time, Erin can be found at the Peer Health Education Office. "There is never a lack of great people and stimulating conversation."

Who is the leader you most admire? There are many unsung leaders who have mentored me. I would offer a quote from Margaret Mead that I really believe in: "Never doubt that a small group of thoughtful, committed citizens can change the world. Indeed, it is the only thing that ever has."

Future plans? I love the spirit and community found in small-town Canada and the need for increased and quality health care is incredible. I plan to work in a rural area where the unique challenges will force me to be innovative and ever learning.

Breanne McCook

Faculty of Science, Honours Physiology
Reginald Charles Lister Memorial Scholarship

Breanne packs her days with schoolwork, athletics, and extracurricular activities. She is the president of the University of Alberta Ultimate Club, vice-president academic of the University's Undergraduate Physiology Students' Association, and Worship Coordinator and Team Leader for the Campus Crusade for Christ. The team captain of Edmonton's Ultimate Players' Association, Breanne also plays on the U of A Ultimate Frisbee team, which holds the national universities championship title. She volunteers in pediatrics at the U of A Hospital, where she says, "I get to go in and spend two hours colouring, playing games, and other fun things like that—I think I probably benefit more than the kids do." Breanne also is a mentor in the Faculty of Science Mentor Program. When she's got some extra time on campus, she likes to spend it working out in the Van Vliet Centre or tickling the ivories in the Education South Piano Rooms, where she is teaching herself how to play and read music from chords.

Who is the leader you most admire? My parents have always had a positive influence on me, and I admire them with all my heart. But the leader that I admire the most is Jesus Christ. He lived the ultimate life here on earth—a life full of passion, faith, integrity, devotion, and selflessness. I strive daily to become more like Him.

Future plans? I plan on completing my honours undergraduate program and will be applying to medical schools this fall. Ideally, I would like to become a pediatric oncologist, but you can never know for sure where life will lead you. ■

Supporting future alumni

Each year, the University of Alberta Alumni Association awards scholarships to students who have attained a high academic standing and demonstrated strong leadership skills through their involvement in both University and community organizations or groups. Supported by the Alumni Association and Alumni Council, the scholarships are open to students in all fields of study.

The scholarships:

Alumni 75th Anniversary Scholarship, $3,000
Endowed by the University of Alberta Alumni Association, this scholarship was established in 1983 to celebrate the University's 75th birthday.

Reginald Charles Lister Memorial Scholarship, $2,500
The University of Alberta Alumni Association endows this award, which was established in honour of Reginald Lister for his dedication as superintendent of student residences.

Maimie S. Simpson Memorial Scholarship, $2,000
Endowed by the University of Alberta Alumni Association, this award recognizes Maimie S. Simpson for her longstanding service as the University's Dean of Women.

Alumni Advantage Scholarship, $2,500
The University of Alberta Alumni Association supports this award, which was created in 1999 for the children and grandchildren of U of A alumni.

Alumni Council Millennium Scholarship, $2,500
Created in 2000, this scholarship is financed by the individual contributions made by the current Alumni Council members.

The scholarships are presented annually to the students at award ceremonies hosted by the Students' Union and the Graduate Students' Association. This year, the Undergraduate Student Awards were presented on 24 March and the Graduate Awards on 7 March.

SCIENCE ◆ CONTOURS

Faculty of Science ◆ University of Alberta Vol. 12 No. 1 Spring 2003

Maria Klawe goes to Princeton

Everyone gets their start somewhere and for Dr Maria Klawe, the newly appointed Dean of the School of Engineering and Applied Science at Princeton University, it was in the Mathematics Department at the University of Alberta.

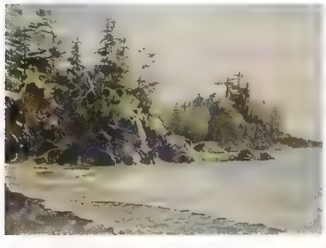
Silent Kayaker

Dr Klawe received her BSc in Mathematics in 1973 and went on to complete her PhD with Dr Anthony Lau, the current Chair of the Department of Mathematical and Statistical Sciences. "She was only my second PhD student and my first female PhD student," recalls Lau. "Her thesis is a remarkable piece of work demonstrating truly original ideas with exceptional combinatorial and analytic skill."

Klawe remembers her time in the math department just as fondly. "My education at the U of A gave me a passion for doing mathematics and for teaching," comments Klawe from her new academic home in New Jersey. "I received superb mentoring and encouragement from my Ph.D. advisor, Tony Lau, on becoming a researcher, a good citizen professionally, and an academic."

She recalls many professors who inspired and motivated her. "Jack Macki taught my first year honours calculus course and remains my all-time favourite teacher." She also remembers Jim Timourian, who banished her from his second year honours calculus class because she pointed out too many mistakes in his lectures, "but introduced me to real analysis on the side and encouraged me in countless ways."

After a short time at Oakland University, graduate and teaching work at the University of Toronto, Dr Klawe joined the research team at IBM Research for almost 10 years. She then moved back into academic life taking on a professorship in computing science at the University of British Columbia, becoming department head in 1988 and Dean of Science in 1998.



Foam on Brady's Beach

"Being a dean seems like the ideal mix of being able to help others achieve their goals while still getting do some research and teaching of my own," she says.

And even with the hectic schedule a dean faces, Dr Klawe takes time to develop other interests. She is a musician, completes the odd half marathon, and is an accomplished painter. In a couple of months there will be an internet auction of about 50 of her watercolour paintings; a fund-raising event for science student scholarships at UBC.

Her recent move to Princeton University's School of Engineering and Applied Science, where she also holds a professorship in the Department of Computer Science, does not keep her away from her hometown.

"I come back to Edmonton about once a year, mostly to see my older sister Anna Taube," she notes. "I also serve on the Science and Engineering Advisory Committee for the Alberta Innovation Foundation."

Dean's Message

As a science alumnus, you know the value of a science degree from the University of Alberta. Apparently, the word has spread.

For the second straight year, applications for admission to the Faculty of Science are up dramatically. With the 70% admission standard in place last year, we experienced a stunning increase in enrollment. In the 2002-2003 academic year, the size of the incoming Faculty of Science class jumped 24%, accounting for over three quarters of the enrollment growth at the University of Alberta.

While this increase was the single largest increase we have experienced in modern times, it was a continuation of a long-term trend. Our first year class is now 34% larger than it was just 4 years ago. Enrollment in the Faculty of Science this past year rose to 6122 students, 367 students above our target enrollment.

Applications for admission to the Faculty of Science for the 2003-2004 fiscal have increased dramatically again this year. We have responded to this additional increase with a conditional admission threshold of 80% (up from 70% last year). Even with this more stringent standard, the number of students who would be "eligible to register" today is almost identical to the number eligible to register at this time in the 2002-2003 entry cycle. Should these trends continue, we will experience additional growth in the Faculty of Science for 2003-2004.

This increasing demand has generated urgency in our efforts to construct a new Centre for Interdisciplinary Science (CIS) within the next four years. As the University gears up for its capital campaign, the CIS will become a top priority for the Faculty of Science and the university as we try to keep pace with our faculty and student growth.

Gregory Taylor
Dean of Science

Alumnus and Professor Emeritus to receive U of A Honorary Degree

Renowned paleontologist and stratigrapher Charles Stelck was one of six outstanding individuals to be awarded a University of Alberta honorary degree, to be handed out during spring 2003 convocation.

Dr Charles Stelck is a former U of A geology professor, whose pioneering research of fossils and stratigraphy in Western Canada's sedimentary basin has proved to be of immeasurable value in the search for oil and gas. He was a true mentor in his role as teacher and his list of graduate students reads like a who's who of the petroleum industry.

Dr Stelck represents the ideal fusion of teacher, researcher and professional geologist. For the past 50 years he has stood as the perfect role model for the generations of students who have had the honour of being taught by him. Alumni weekend can most certainly guarantee numerous requests from past students to see him again. He has been known to astound graduates of 50 years by recognizing them by name and mentioning some past event from their university days.

As a researcher, he provided numerous oil companies with the ability to achieve a sound basis for exploration and established the geological setting of some of the most important oil fields in Alberta, including the Fort St. John gas field and the Monkman Pass gas field. Among his numerous awards is his election to the Royal Society of Canada (1960), the Logan Medal of the Geological Association of Canada (1972), its highest award, and appointment as an Officer of the Order of Canada in 1997.

Since his retirement in 1982, Charlie Stelck has remained extremely active in the geological profession, especially in his role as Professor Emeritus in the Department of Earth and Atmospheric Sciences. To this day, he continues to work on campus, cataloging fossils and continuing to pursue his area of research. He provides his time and invaluable advice and expertise willingly, if not joyfully, to numerous graduate students and junior professors on a regular basis, and presently serves on several MSc and PhD thesis research committees. Students of sedimentology and stratigraphy eagerly seek his advice and involvement in biostratigraphic zonations while ascertaining the sequence stratigraphic framework of their study area.

Admired and respected by students, graduates, professional geologists, fellow teachers and researchers, Charlie Stelck is an inspiring teacher, a pioneering researcher and a dedicated administrator. He exemplifies the kind of person deserving of an Honorary Degree from the University of Alberta. Dr Stelck will be awarded with an Honorary Doctor of Science Degree on June 4th.

Josephine Mitchell

Former math student leaves $1.6M US bequest

Who would have known that, nearly 70 years ago, a professor's words of encouragement to a young woman would lead to the authorship of important research papers, the education of thousands of students and a bequest that will help teach thousands more?

The Faculty of Science has received a cheque for $1.6 million US, a bequest from Dr Josephine Mitchell, an alumnus of the Department of Mathematical and Statistical Sciences who graduated in 1934. This is the largest bequest the Faculty of Science has ever received and one of the largest in the history of the university.

The first of three daughters born to Benjamin and Kate Mitchell, Mitchell grew up in Edmonton, in a modest home near the General Hospital on Jasper Ave. The couple moved west in the early 1900s—Benjamin was a graduate of the University of Toronto and worked as a civil engineer. The Mitchells believed in life-long learning and all three of their daughters attended the U of A, even at a time when it was a relatively uncommon for women to attend university.

If it wasn't typical that women would attend university, it was even more unusual that Josephine pursued studies in math—a field dominated by men.

"We really want to honour the mathematics professors there, particularly Dr Cook, who encouraged her to go into mathematics," said Josephine's sister, Alta Bento, who now lives in Hawaii. "He was her freshman advisor, I think, and she couldn't decide whether she wanted to be in history or in math and he encouraged her to go into math. The faculty was really wonderful."

She went on to earn a master's degree and PhD. from Bryn Mawr College, a famous women's college in Pennsylvania, and from 1958 to 1968 she was associate professor, and later professor, at Pennsylvania State University. She then took a position at the University of Buffalo where she taught until her retirement in 1982. During her career Dr Mitchell earned several grants from the National Scientific Foundation and a three-year grant from the U.S. Air Force Office of Scientific Research. She also earned the respect of her peers, publishing 39 papers and overseeing the work of seven PhD students.

"She had published a lot of work in the area of analysis," said Anthony Lau, chair of the U of A's Department of Mathematical and Statistical Sciences. "She was very active and did some great work."

Dr Mitchell passed away in 2000 at the age of 88.

In a letter written by her late husband, Lowell Schoenfeld, also a retired professor in the mathematics department at Penn State, he indicated that it had always been Mitchell's intent to make a bequest to the Mathematics Department of her hometown alma mater. She died before she was able to include her plans in her will. In her honour, Schoenfeld was able to carry out her wishes through his will.

Ms. Bento, executor of Schoenfeld's estate, says she is delighted that the university is able to put these funds to good use in her sister's name. "Cheers to the University of Alberta Mathematics Department that staunchly encouraged a quiet studious girl in the 1930's," she comments.

The bequest will support several initiatives within the Department of Mathematics and Statistical Sciences. These include endowments to fund the Dr Josephine M. Mitchell Mathematics library and the Dr Josephine M. Mitchell graduate scholarships. In addition, the bequest will fund the Dr Josephine M. Mitchell Environmental and Industrial Fluid Dynamics Laboratory, a state-of-the-art facility to be housed in a proposed Centre for Interdisciplinary Science.

"The proposals being advanced in my sister's name are so wonderful," comments Bento. "They will provide advantages to students and researchers in an encompassing mathematical sphere that she would have found exciting and would have been absolutely delighted to sponsor. Congratulations to today's far-seeing science faculty as it completes plans for the outstanding Centre for Interdisciplinary Science."

Acting Dean of Science, Gregory Taylor, comments on the gift, "This is truly a generous gesture from an alumnus. My only regret is that we never had the opportunity to meet Dr Mitchell and talk about what made her experience at the University so memorable that she would make such a significant contribution to our future."

But all anyone needs to do is look up Mitchell, affectionately known as 'Joey' to family and friends, in the 1934 Green and Gold Forever yearbook. The message beside her picture in the reads: "A great mathematician, scholar, and true friend. Good luck, Joey."

"That says it all," said Bento. "She was all of those things."

Physics Brain Gain

The Department of Physics has experienced a huge brain gain, recently adding two Canada Research Chairs to its faculty listing. Dr Massimo Boninsegni was named Canada Research Chair in Computational Condensed Matter Physics and Dr Ian Mann was named Canada Research Chair in Space Science. Both scientists have come to the Faculty of Science because of its high profile physics department and exciting research.

"The addition of Dr's Boninsegni and Mann to our department is enormous," comments Dr John Samson, Chair of Physics. "Massimo's theoretical expertise will enhance our expertise in nanoscale physics and will foster collaborations with others working at the National Institute for Nanotechnology."

"Ian is also a tremendous win for us," adds Samson, "one that has been recognized around the world. He and his team further strengthen an already strong space and astrophysics here at the University."

Dr Boninsegni recently traded in his warm San Diego life for cooler Edmonton temperatures, and an academic position in the Physics Department that carried with it the Tier 2 CRC.

"I am excited to be at an institution where those around me share an aspiration to be on the map - recognized for cutting edge research and quality education," he comments on why he chose the U of A.

Dr Boninsegni's research involves the theoretical investigations of the physical properties of quantum fluids in reduced dimensions, such as thin helium films coating alkali metal surfaces, or the interior of carbon nanotubes. His findings will aid in advancing knowledge of condensed matter and quantum many-body physics.

"The main theme of our research effort," explains Dr Boninsegni, "is the understanding of the microscopic origin of such physical phenomena as Bose-Einstein Condensation, superfluidity and superconductivity."

He is one of the world's leading experts in the study of quantum many-body systems using Quantum Monte Carlo (QMC) techniques, powerful computational tools in the theoretical investigation of quantum many-body systems of relevance to condensed matter and other branches of physics. These methods allow one to harness the full power of modern computing facilities to obtain essentially exact numerical solutions for problems that are problematic analytically, involving a multitude of elementary constituents (e.g., atoms, molecules) all interacting with one another.

Photo: Jan Curtis

Although his research program is of fundamental character, it has potential technological relevance. For example, "through our research," he notes, "one may learn a great deal about the possible use of carbon nanotubes to store high quantities of hydrogen, a topic of great current interest for fuelling purposes."

Dr Ian Mann moved to the U of A from the University of York in the UK in January, bringing with him his team of four magnetosphere researchers. He is not a complete stranger to Edmonton; he did a post doc in the Physics Department with Dr Samson.

"It was a very attractive offer", comments Dr Mann on why he chose the U of A. "The opportunity to become a CRC and the Principal Investigator for CANOPUS (one of the worlds leading ground-based magnetometer arrays funded by the Canadian Space Agency for space weather studies) was something I could not pass up".

Dr Mann has established himself as a leading authority in the theoretical and experimental study of the Earth's magnetosphere, the outermost layer of our atmosphere, and the way it interacts with the gusts of 'solar wind' blowing in from the sun.

One of the most obvious aspects of Dr Mann's field of study is the aurora borealis, or the northern lights. The phenomenon occurs when explosions on the surface of the sun send hot gas, called solar plasma, howling towards the Earth. The largest of these explosions cause geomagnetic storms in the near-Earth environment.

"What you get is solar winds that are much more dense than usual, hurtling towards the Earth at 700-800 km per second," he said. If the solar plasma penetrates the magnetosphere and the Earth's ionosphere, it brings radiation with it--without the protective shield of the magnetosphere, our planet would fry."

In some cases, electrons in the magnetosphere can be accelerated to nearly the speed of light. These electrons can bury themselves in electrical components of satellites orbiting the planet, leading to a build-up of static electricity that can damage the satellite. One of the best-known of these events is the 1998 loss of the Galaxy 4 satellite, which resulted in the shut-down of 90 per cent of telephone pager traffic in the U.S. But the violent space storms can have more dire consequences than lost messages.

Strong blasts of solar plasma can cause a build up of electrical charges in pipelines and power grids. In March 1989, a "magnetic superstorm" knocked out power service to six million Hydro Quebec customers, causing tens of millions of dollars' worth of damage.

Faculty of Science Research Award

Each year, the Faculty of Science hands out Excellent Teaching and Research Awards in recognition of our outstanding researchers and instructors. This year, for the first time, one individual has received both the Faculty of Science Research Award and the Faculty of Science Excellent Teaching Award. That outstanding individual is Dr Arthur Mar.

"I was a little concerned when the Dean called me a second time," recalls Dr Mar. "I thought he had forgotten that he had already called about the Research Award, but he was actually calling about the Teaching Award."

Dr Mar joined the department of chemistry in 1994 and is the only solid-state chemist in the department, heading up one of only a handful of labs working in the area across Canada. Over the years he has built his lab to include a lively group of graduate and undergraduate coworkers, all of whom he is quick to credit for much of the lab's success. The group has had 54 published or accepted papers to date, including a cover feature on the Journal of Solid State Chemistry.

The discovery of inorganic solids with unusual properties (e.g., superconductivity) has propelled materials science into the technological forefront. However, except for the most well-studied classes of inorganic solids, the ability to predict what compounds can even be prepared, let alone their structures and properties, remains undeveloped. Because the number of possible combinations of elements is staggering, (only 0.01% of all combinations of four metals have been investigated, for instance), it is important to identify structural patterns and how they relate to properties.

Dr Mar's lab is engaged in a broad exploratory program of solid-state synthesis, with the aim to discover and characterize compounds of elements such as antimony and bismuth, which lie in a poorly explored part of the periodic table.

His strength as a researcher is matched by his strength as a teacher. He has guided 4 students to their PhD's and has recruited numerous undergrads to work in his lab.

Dr Arthur Mar

"Course work is important for undergrads," he notes "but I want to get them involved in my lab where I can instill a love for research. Many have gone on to pursue graduate studies after much encouragement, having underestimated their abilities."

Faculty of Science Award for Teaching Excellence

The mediocre teacher tells. The good teacher explains. The superior teacher demonstrates. The great teacher inspires.
—William Arthur Ward

The Faculty of Science has a number of outstanding individuals who inspire. Year after year, they stand at the front of the classroom teaching what they know best. Finding a balance between teaching, research, publishing, and administrative duties, they have stood out in the minds of those they seek to educate and influence: the student.

The faculty has made it a priority to recognize and celebrate those instructors who have made a difference to the students. Since 1995, we have recognized outstanding teachers with the annual Faculty of Science Awards for Teaching Excellence. This year the three recipients are Dr Phillip Fedorak, Dr Mazi Shirvani, and Dr Arthur Mar. Congratulations!

Dr Phillip Fedorak, Biological Sciences

"Dr Fedorak is a stellar instructor!" That comment sums up the sentiment from those fortunate enough to have been taught by Dr

Dr Phillip Fedorak

Fedorak. He is no stranger to our science classrooms, arriving at the U of A in 1968, eager to begin his undergraduate science degree. He must have enjoyed it as he stayed in the Faculty of Science, completing his master's and his doctorate; he then traded in his student hat for a teaching and researching position in the faculty.

An advocate of using the chalkboard, he has taught a wide variety of undergraduate courses ranging from first year biology classes of several hundred students, through large enrollment courses in basic microbiology, to senior courses in environmental microbiology. He uses anecdotes, in class discussion, humour and examples of current research to good effect. His innovative laboratory exercises are widely copied by colleagues at other universities, some of whom are former students. His compassion, accessibility, fairness, and willingness to help are appreciated by all.

Dr Mazi Shirvani, Mathematical and Statistical Sciences

It is an art to be able to explain complex concepts clearly, and one message is clear from Dr Shirvani's students: he is a true master at it. He is well-prepared, enthusiastic, respectful of students, and able to relate to many of his students one-on-one. He evokes from his students a desire to learn, and his success in building two way communication is phenomenal. He is known for preparing comprehensive lecture notes, which he makes available to the students for reduced prices, helping them save money on costly textbooks.

In addition to his contributions in the classroom, Dr Shrivani has been active in curriculum development. In the last few years the department completely revamped its algebra courses and Dr Shirvani's ideas played a crucial role in the creation of the courses.

Chemistry professor joins elite group

While science is a passion, long country walks, stamp collecting and photography share space on Gary Horlick's long to-do list. Dr Horlick, a professor of chemistry, has checked off yet one more milemarker that illustrates his multi-faceted accomplishments.

In recognition of his lifelong contributions to the development and characterization of new methods and systems for elemental analysis, Dr Horlick became only the 4th Canadian to receive the Pittsburgh Spectroscopy Award from the Spectroscopy Society of Pittsburgh (SSP), an international award that recognizes outstanding contributions to the field of spectroscopy. He joins the likes of Canadians Dr Gerhard Herzberg, the 1962 recipient, Dr Norman Jones in 1968, and Dr Harold Berstein, the last Canadian recipient in 1980.

Dr Horlick has been involved in the development of new instrumentation for elemental analysis that allows for the more rapid and effective simultaneous determination of several elements in a sample. Having pioneered the application of linear image sensors (photo diode arrays) to atomic spectrochemical measurements, his efforts predate by two decades the commercial developments in this area.

He has also characterized in detail certain elemental analysis techniques (Inductively Coupled Plasma-Atomic Emission Spectrometry and Inductively Coupled Plasma-Mass Spectrometry) to allow for a clear understanding by users of both the capabilities and limitations of these techniques.

After attending high school in Calgary, where teachers nurtured his affinity for science, Dr Horlick attended the University of Alberta, where Walter Harris taught a memorable course in analytical chemistry. "He emphasized the necessity for exactness and attention to detail in order to achieve high quality analytical measurements," Horlick says. "It was key in pointing my interests in the direction of Analytical Chemistry."

Encouraged to attend graduate school, Dr Horlick tapped into the University of Illinois and joined the research group directed by Professor Howard V. Malmstadt.

Photography, particularly digital photography and working up the photos on a computer, has earned a favored hobby status, along with woodworking projects around the house and stamp collecting.

Still, work-related issues are typically top-of-mind for Dr Horlick whose eye is specifically trained on one of the major trends in analytical atomic spectrometry and elemental analysis: speciation, the determination of the exact chemical form and state of an element, particularly in environmental and biological samples. Also, many challenges remain in developing successful techniques for the direct analysis of solid samples and for the elemental analysis of small amounts of materials, Dr Horlick observes.

Courtesy of Sharon Donovan, The Pittsburgh Conference Daily

John Vederas becomes Kaplan Laureate

Dr John Vederas can now add Kaplan Laureate to his list of accolades. The chemistry professor recently received the most prestigious University of Alberta research award handed out, the J Gordin Kaplan Award for Excellence in Research. The award is presented annually to two individuals, one from the Sciences or Engineering and the other from the general area of Humanities, Social Sciences, Law, Education, and Fine Arts.

Dr Vederas' research centers on the formation of important biological molecules. By studying the chemical constituents involved in key metabolic processes, his research has contributed to a better understanding of such processes, which create biologically active compounds that can have significant implications for human health.

He continues to examine the design and synthesis of inhibitors of cysteine proteinase enzymes, which could lead to the development of potential drugs for illnesses such as common cold, hepatitis A, polio, and foot and mouth disease. In addition, Dr Vederas has made fundamentally important discoveries about the biochemical pathways that create a large variety of medicinal agents, such as cholesterol-lowering drugs and antibiotics.

Dr Vederas is also a passionate instructor, and each year he takes the time to teach undergraduate chemistry courses. His exceptional ability to connect with his students has been recognized numerous times. He has received the Faculty of Science Award for Excellent Teaching, the Rutherford Award for Excellence in Undergraduate Teaching, and the University Cup for Research and Teaching.

In addition to these honours, Dr Vederas holds numerous awards and accolades, including a CRC in Bioorganic & Medicinal Chemistry, Killam Annual Professor, Fellow of the Royal Society of Canada, President of the Canadian Society for Chemistry (02-03), and Member of Council for NSERC (01-04), to name a few.

Biodiversity Program Celebrates Milestone

Birds, fish, and frogs in Alberta are unaware of the Biodiversity Challenge Grants Program, but they are among its main beneficiaries. Graduate students who receive the grants, such as Kirsten Norris and Cameron Aldridge, are the appreciative ones.

And now, after nine years in existence, the two millionth dollar in the program was granted, and the number of projects funded reached 200. Kirsten's research project was the two-hundredth.

A master's student in the Biological Sciences, Kirsten is looking at the interactions between northern pike and wood frog populations in Alberta. By examining how pike are affecting wood frog larvae, she will contribute to the development of management plans in natural Alberta lakes, which will promote sport-fish populations while conserving co-existing amphibian distribution and diversity.

"Receiving the Biodiversity Grant provides me with an excellent opportunity to complete a thorough investigation of my research," she said.

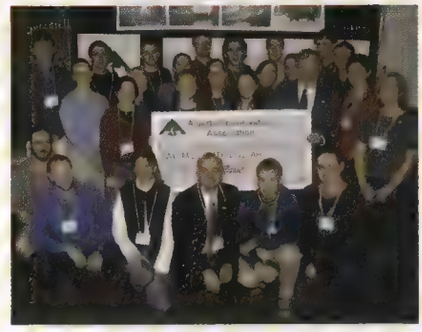
Two years ago, Cameron Aldridge, currently a third-year PhD student in Biological Sciences, received a Biodiversity Challenge Grant and put the money towards his first field season.

Cameron is researching the greater sage-grouse, which currently reside at the northern fringe of their range in southeastern Alberta. The province's endangered sage-grouse population has dropped drastically over the last 30 years. In 2002, the population dipped between 291 and 431, which is below predicted levels. His research is targeted at identifying important habitats required for sage-grouse to survive, and understanding the effect of multiple land uses on sage-grouse habitat quality and population numbers.

"Money is hard to come by," Aldridge said. "I spend a significant amount of time looking for funding, submitting 15 to 20 grant applications per year. Having a funding source dedicated to assisting graduate students in their research is a huge asset."

Established in 1995, the funding program supports the thesis research of outstanding graduate students and postdoctoral fellows. The program is the result of a collaboration among the Alberta Conservation Association (ACA), Alberta sportsmen, anglers, hunters, conservationists, and the U of A Department of Biological Sciences.

"Investing in student research provides valuable information about our natural resources, the fish and wildlife, and the



habitats in which they live. Student recipients often build their careers in Alberta, so Alberta wins," said Dr Bill Samuel, program coordinator and associate dean of research in the Faculty of Science.

The ACA provides up to $250,000 annually for support of graduate student research in Alberta. Researchers can earn up to $20,000 towards research that will help improve our understanding of plants, animals, habitats, and ecosystems in Alberta.

"We know recipients of the Biodiversity Grants are building a better Alberta by ensuring the future of our natural biological resources," said Steve Hull, managing director of ACA. "ACA recognizes the positive impact of this successful partnership."

Taking on Beverly Hills

While the Academy Awards were being handed out at the Kodak Theatre in March, down the street seventy teams of students from around the world gathered in hopes of winning an award of their own.

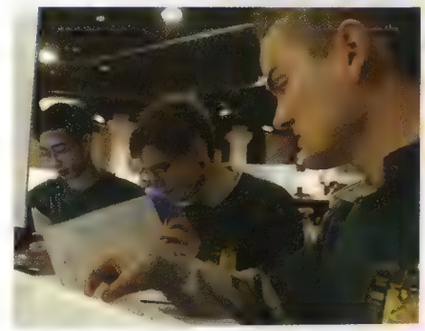
The 27th Annual ACM International Collegiate Programming Contest World Finals, sponsored by IBM, were held on March 25th in Beverly Hills, and the U of A had a very hopeful team entered in the competition.

The ACM International Collegiate Programming Contest provides college students with opportunities to interact with students from other universities and to sharpen and demonstrate their problem-solving, programming, and teamwork skills. The contest fosters creativity, teamwork, and innovation in building new software programs, and enables students to test their ability to perform under pressure. It is the oldest, largest, and most prestigious programming contest in the world.

This year's team, comprised of Gilbert Lee (Science), Ashley Zinyk and Jason Klaus (Engineering), along with computing science professor and coach Dr Piotr Rodnicki, had set their sites high. After missing last year's finals, the team finished first at the regional finals in Lethbridge in November, beating out teams such as Brigham Young University from Salt Lake City and earning a spot at the World Finals.

"Our goal was to place in the top 12 at the finals and to be the first Canadian team," comments Lee.

The finals brought together strong competitors, including many eastern European and Asian universities. At the end of the 5-hour competition, the U of A team was



Lee, Zinyk and Klaus (left to right)

the second Canadian team, finishing in the middle of the pack tied for 30th with 13 other teams.

Next year will see a team of rookies take on the challenge as all three current members are retiring. Gilbert plans to stick around to help mentor and coach the new team along, and Dr Rodnicki plans to keep at it until he's hoisting the trophy over his head.

Hitting the airwaves

In early April a group of fourth year psychology students took to the airwaves to discuss topics ranging from why we believe what we believe, to whether or not our mating choices are predetermined.

The segments were part of Dr Don Heth's 400 level honours Psychology class, where for the last 3 years his students have produced a half-hour radio documentary as their final project.

"I have never been involved in a school project that is more relevant and interesting to me than this one," said Jason Jones, fourth-year University of Alberta psychology student.

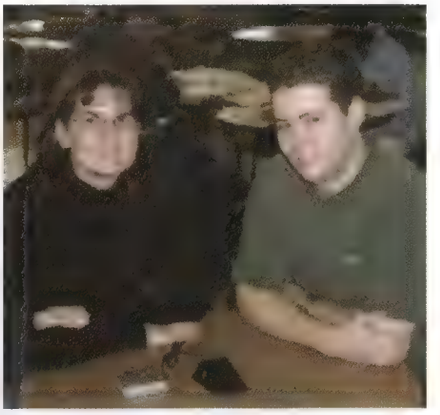
Jones and fellow students Lisa Jewell, Rebecca Williams, and Darryl Schneider, produced a show that dealt with psychology and human mating.

Students worked in teams, and once a topic was decided they would start the research. This included background research, consulting experts in the area, and conducting interviews, all to develop a program that would communicate effectively to the radio audience.

"I was looking for something a bit more public that a term paper," comments Dr Heth. "The radio documentary teaches the students to work as a team and communicate a message that a broad audience will understand and find interesting. Skill sets I believe are very important."

"This project is a lot of fun," Jewell said. "I've enjoyed the work we've done to set up the technical side of the radio program, and the topic we're doing has helped me to learn about my own relationships and apply what I've learned to my own life."

"This is psychology at its best," Jones added.



Lisa Jewell and Jason Jones

Under My Thumb

Using the infamous title of a Rolling Stones tune, Ajit Singh, a master's student in computing science, won the public speaking element of the 2003 World Universities Debating Championships held earlier this year in Stellenbosch, South Africa.

The finals of the competition took place in front of about 300 spectators, and each competitor was given a song title and five minutes to prepare a five- to seven-minute impromptu speech based on the title. Ajit's title, Under My Thumb, inspired him to present a speech about the Israeli-Palestine conflict. Singh postulated that the conflict might best be solved through privatization, which was a theme he culled from earlier rounds in the competition.

"It was risky, but it went over really well," Ajit explained. "The contingents from both Israel and Palestine were there, and I thought it might offend them, but people from both sides came up to me after and said how much they liked it.

"There are a number of catch phrases associated with privatization--better service, efficiency of market, and cutting red tape, for example--that don't really mean anything. When you apply them to something like a civil conflict, for example, then you expose how ridiculous and meaningless these phrases are," Ajit said.

"My speech was an illustration of sophistry, in which you use satire to undercut glib statements. You say something that makes sense on the surface but is absurd in reality."

His performance was the highlight of the competition for the U of A Debating Society, which placed all six of its debaters in the top one-third of the debating part of the championships. Ajit bested more than 100 competitors, including some from Ivy League schools and Cambridge University.

SCIENCE CONTOURS

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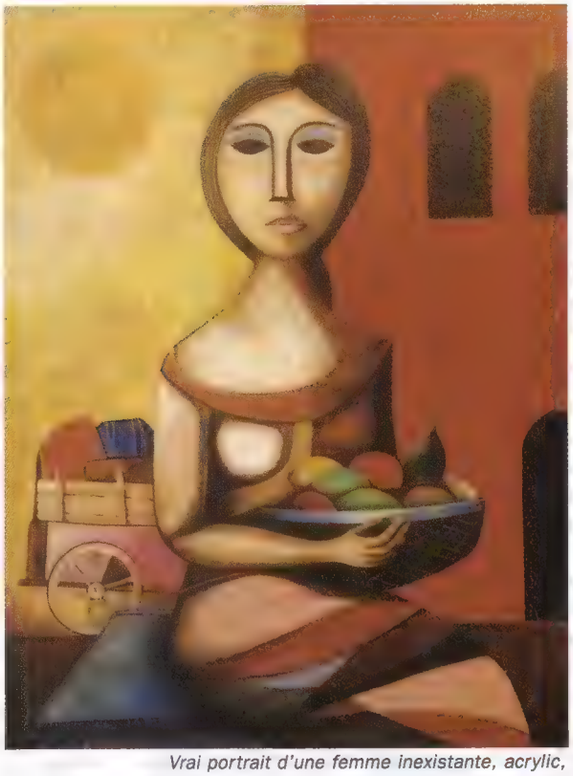
trails

Following the Footsteps of University of Alberta Alumni



Vrai portrait d'une femme inexistante, acrylic, 102 x 76 cm

Giampaolo Sassano, '72 PhD, dedicated himself to his passions for the natural sciences and figurative arts as a young man. He is convinced that the artist must give form, colour, and image to his primoridal fantasies in search of establishing a metaphysic dialogue with others. The simple lines and bright colours associated with his paintings give them a striking amagalm of lively, modern, and phantasmagoric personages and landscapes, which are always inspired by his desire to learn more about himself.

See more of Sassano's work at www.madeonthemoon.com

REFLECTIONS

As a corporate lawyer, I hate the term "shareholder value" because it is often used to justify serious staff layoffs or changes in corporate direction. I also respect the phrase, however, because it is a two-word description of investment reality.

As an alumnus, you cannot sell your degree if you are unhappy with the "shareholder value" afforded by it. What you can do, however, is to give more support to the University.

Improving the University of Alberta—helping it attract the best professors and students—is in your best interest. By helping and supporting the University you can appear noble at the same time that you are increasing the "shareholder value" of your degree.

As president of the Alumni Association, I worry about how to get you involved with and supportive of the University and the Association. If you are not sentimental, how do I reach you? If university was just a means to an end and you never wanted to look back, how do I show you that you need to stay involved because you will need future grads to refresh your partnership, fill your department or staff your symphony or hospital?

In order to continue to graduate the best we must attract the best. These students must be mentored while at university, helped with bursaries and grants, and given summer jobs. If they make a personal connection with the University, they will stand up and take our place as alumni leaders once they are able.

The University of Alberta needs you! It is time for you to get on board to protect and enhance your investment. If you do not have time, send money. If you have a good idea, e-mail me personally at *gbarr@barrpicard.com*.

Be selfish. Know that whatever you do to help the University can only increase the value of your own degree.

Gordon E. W. Barr, Q.C.
'72 BSc, '74 BA, '77 LLB
Alumni Association President

SALUTE TO VOLUNTEERS

It's been more than 15 years since **Darlene Bryant,** '91 BEd, got involved with the Mixed Chorus, but her dedication to the group is as strong today as it was when she first became a member in 1986.

Bryant has wonderful memories of the Chorus and its impact on her U of A experience. She says many people have told her that they joined the Chorus for the music. "While that was also true for me," she says, "the people were what really kept me there." To this day some of her closest friends are people she met from being in the Mixed Chorus.

Perhaps it is her fond memories that made her eager to volunteer as president of the Mixed Chorus Alumni Association (MCAA) in November. Bryant has clear goals set out for the MCAA and is working hard to achieve them. She wants to continue providing opportunities for MCAA members to stay connected with the Chorus and their alma mater. She also initiated the development of the Mixed Chorus Conductors' Endowment Fund, which annually provides $1,000 to the Chorus. Darlene has big plans for this fund, and says she would like to see it reach $100,000, "which I think is achievable in the next two years."

Bryant is busy organizing the 60th anniversary MCAA event, which is taking place in March 2004. She guarantees that it will be a great weekend of music and reuniting with old friends.

–Tara Strudwick

REUNIONS

Reunion 2003 will be held from 3 to 5 October. For a complete listing of classes holding reunions during Reunion 2003, see page 57. For more information on the reunions listed bellow, contact the Office of Alumni Affairs at 492-0866.

Year & Class/Date/Place:
'53 Dip(Nu)/May/Jasper
'53 Pharmacy/May
'58 Chemical Eng/September/Calgary
'58 Dip(Nu)/May/Kananaskis
'63 Agriculture/October
'78 Dip (Dent Hyg)/May
'78 MHSA/June

evergreen

Learning on location

When **Colleen Cassady St. Clair,** '88 BSc, was an undergrad at the U of A, she decided to do a paper on the breeding habits of penguins. It changed the course of her life.

She went on to spend the next few years in the Southern Hemisphere studying the marvels and oddities of penguins— Fiordland penguins, crested penguins, royal penguins, and others— in locations such as the Falkland Islands and sub-Antarctic Macquarie Island.

In January 2004 St. Clair, now a professor of biological sciences at the U of A, will share her fondness for the creatures of the far south with other alumni on an amazing trip to the Antarctic and the Falkland Islands. The trip is just one of many offerings in the "Learning on Location" initiative of the Alumni Association's alumni education program.

The initiative features trips to exotic locations with University faculty members along as experts, but also encompasses more modest offerings: everything from the Antarctic adventure and a new Alumni School in Cortona, Italy (see back cover) to a day trip to the University's Devonian Botanic Garden. There's something for everyone.

For more information about "Learning on Location," visit the alumni education website at *www.ualberta.ca/alumni/ed* or phone 492-1835.

Coleen Cassady St. Clair

Reunion 2003 new events update

The University of Alberta is looking forward to welcoming back all alumni during Reunion Days, 2 to 5 October 2003.

New to the line up of events at Reunion Days are a Welcome Back BBQ and a retro night at the Power Plant. The Welcome Back BBQ is an evening for friends and family and is a great way to start off the weekend's activities, says **Tracy Salmon,** '91 BA, '96 MSc, coordinator of special events in the Office of Alumni Affairs. Alumni are being encouraged to bring family members (especially prospective students) to this all-ages, unlicensed event that will give people a chance to reconnect with former classmates and share stories of their days on campus.

"This is the first year the Alumni Association has featured a family focused event," says Salmon. "We are certain the BBQ will be a great success." Starting at 5:30 on Friday night, the BBQ will serve up burgers in Quad, which is located in the heart of campus. "Don't worry about the weather," says Salmon. In the case of chilly weather, there will be tents and heaters.

When the BBQ ends at 8:00 p.m., activities will move to the Power Plant, a popular hangout on campus. Admission for this event is $5, which includes a complimentary beverage.

For information on all reunion events, contact the Office of Alumni Affairs at (780) 492-6075 or toll-free in North America at 1-800-661-2593. Visit the reunion website at *www.ualberta.ca/alumni/reunion* to get the latest details.

Two new chapters join the alumni family

The Alumni Association recently welcomed the Orthodontics Alumni Chapter and the Safewalk Alumni Chapter. The participation of these two new chapters now brings the total number of faculty or club-affiliated alumni groups to 18.

The U of A Orthodontics Alumni Chapter (OAA) is dedicated to supporting the orthodontic division in its educational goals, says OAA chapter president Rowland Haryett. The OAA will also work towards promoting communications between the department and its alumni. For more information, visit *www.ualberta.ca/ortho*.

The Safewalk Alumni Chapter (SWAC) originally started out as a Yahoo! group, says chapter president **Nikki Van Dusen,** '96 BA. "When someone realized that it was going to be 10 years of Safewalk in September 2003, we stepped up our efforts."

Safewalk, a program that has co-ed teams accompany clients to their destinations, will celebrate its 10th anniversary on 4 October, in conjunction with Reunion Days. All current and former volunteers are invited to attend this event. For information contact 919-3056 or *nikki@ualberta.net*.

See U this summer!

School's out, so mark your calendar because the University of Alberta Alumni Association is hitting the road and on its way to see you.

In June and July, two members from the Office of Alumni Affairs will be travelling across Alberta and British Columbia, hosting U of A alumni events in towns and cities along the way.

These alumni events are open to all University of Alberta alumni, and they are a great opportunity to meet fellow U of A alumni, enjoy good food and pick up some U of A goodies.

The Alumni Association strives to maintain a lifetime connection between alumni and the University. Thousands of alumni around the world take advantage of the opportunity to get together and learn about their alma mater by attending alumni events. Now, we're bringing this opportunity to you.

"We are excited to come and meet with our alumni, and we hope that you will join us when we visit in your community," says **Gina Wheatcroft**, '94 BEd, associate director in the Office of Alumni Affairs.

Currently, Wheatcroft is busy confirming guest speakers for some of the events, and she encourages alumni to visit the website for the most up-to-date information.

Alberta–British Columbia Road Trip listing of events

Contact the Office of Alumni Affairs at (780) 492-3224 or 1-800-661-2593, or visit the website www.ualberta.ca/alumni/branches *for more information about these events.*

Banff, Alberta
5 June 2003
Alumni Dinner

Golden, B.C.
6 June 2003
Alumni Lunch

Invermere, B.C.
6 June 2003
Alumni Dinner

Fernie, B.C.
7 June 2003
Alumni Brunch

Pincher Creek, Alberta
8 June 2003
Alumni Brunch

Cardston, Alberta
9 June 2003
Alumni Breakfast

Magrath, Alberta
9 June 2003
Alumni Lunch

Coaldale, Alberta
10 June 2003
Alumni Breakfast

Taber, Alberta
10 June 2003
Alumni Lunch

Medicine Hat, Alberta
10 June 2003
Alumni Dinner

Brooks, Alberta
11 June 2003
Alumni Lunch

Drumheller, Alberta
11 June 2003
Alumni Dinner

Olds, Alberta
12 June 2003
Alumni Lunch

Prince Rupert, B.C.
16 June 2003
Alumni Lunch

Terrace, B.C.
16 June 2003
Alumni Dinner

Smithers, B.C.
17 June 2003
Alumni Lunch

Prince George, B.C.
17 June 2003
Alumni Dinner

Quesnel, B.C.
18 June 2003
Alumni Lunch

Williams Lake, B.C.
18 June 2003
Alumni Dinner

100 Mile, B.C.
19 June 2003
Alumni Lunch

Kamloops, B.C.
19 June 2003
Alumni Dinner

Salmon Arm, B.C.
20 June 2003
Alumni Lunch

Vernon, B.C.
20 June 2003
Alumni Dinner

Kelowna, B.C.
21 June 2003
Alumni Brunch

Penticton, B.C.
22 June 2003
Alumni Brunch

Osoyoos, B.C.
24 June 2003
Alumni Breakfast

Grand Forks, B.C.
24 June 2003
Alumni Lunch

Trail, B.C.
24 June 2003
Alumni Dinner

Castlegar, B.C.
25 June 2003
Alumni Lunch

Nelson, B.C.
25 June 2003
Alumni Dinner

Salmo, B.C.
26 June 2003
Alumni Lunch

Creston, B.C.
26 June 2003
Alumni Dinner

Cranbrook, B.C.
27 June 2003
Alumni Lunch

Whitecourt, Alberta
7 July 2003
Alumni Lunch

Peace River, Alberta
7 July 2003
Alumni Dinner

High Level, Alberta
8 July 2003
Alumni Dinner

Fairview, Alberta
9 July 2003
Alumni Dinner

Fort St. John, B.C.
10 July 2003
Alumni Lunch

Dawson Creek, B.C.
10 July 2003
Alumni Dinner

Grande Cache, Alberta
11 July 2003
Alumni Lunch

Jasper, Alberta
11 July 2003
Alumni Dinner

Edson, Alberta
12 July 2003
Alumni Lunch

www.ualberta.ca/alumni/branches

Alumni Events

Unless otherwise noted, for information contact the Office of Alumni Affairs at (780) 492-3224 or 1-800-661-2593 (toll-free in North America) or e-mail alumni@ualberta.ca.

Alumni Association AGM

Edmonton, Alberta
21 May 2003
Alumni Association AGM
Alumni House, 5:30 p.m.

Canada Branches

Mayerthorpe, Alberta
22 May 2003
Alumni Dinner
Guest speaker: Dr. Larry Wang, U of A professor

Camrose, Alberta
29 May 2003
Alumni Dinner
Guest speaker: Dr. Larry Wang, U of A professor

Calgary, Alberta
4 June 2003
Annual Spruce Meadows Show Jumping Event and Dinner
Guest speaker: Dr. Bob Church, 2002 recipient of the U of A Distinguished Alumni Award

Chapters

Library and Information Science Alumni Association
29 May 2003
Annual AGM, 6 p.m.
Cafe Amandine, 8711-82 Avenue

Medical Alumni Association
6 June 2003
Convocation Breakfast, 8 a.m.
Mayfield Hotel

Dental Alumni Association
9 June 2003
Convocation Breakfast, 10:30 a.m.
Derrick Golf and Country Club

Chapter Executive Appreciation
14 June 2003
Brunch, 9 a.m.
Mayfair Golf and Country Club
Guest speaker: Dr. Doug Olsen
U of A associate professor

For information on Chapter events, please contact Tara Strudwick at (780) 492-2896 or tara.strudwick@ualberta.ca

Did you ever live in U of A's student residence or work at the *Gateway*?
Two new alumni associations are currently being organized. If you would like to get involved in these groups contact Derek Shybunka at 492-2515 or e-mail *derek.shybunka@ualberta.ca*

Microbe fighter wins honours

Brett Finlay is one of Canada's top scientists in the fight against disease

By Hilary Thomson

Brett Finlay, '81 BSc, '86 PhD, is a bacterial disease researcher whose work could save the lives of millions and protect Canada's food and water supply from contamination. Finlay was named by *Canadian Living* magazine as one of the 10 Canadian scientist most likely to save your life, and he is also the recipient of the University of British Columbia's most prestigious academic honour.

Finlay, a biochemistry, microbiology, and immunology professor at UBC, was recently named the Peter Wall Institute Distinguished Professor in recognition of his career research achievements.

The professorship is valued at $100,000 per year for five years on a renewable basis. It can be taken in any form for salary or research support that is agreed upon by the recipient and the UBC vice-president academic.

An expert in food and water-borne bacteria, Finlay has developed a cattle vaccine to help prevent the growth of *E. coli*—the bacteria that entered Walkerton, Ontario's water system in 2000, killing seven people and causing hundreds to become ill. A related strain of *E. coli* also causes infant diarrhea, killing close to one million children annually worldwide.

Rosamond Norbury

"Brett's stellar career achievements exemplify research excellence at this university and indeed in Canada," says UBC president Martha Piper.

It is especially fitting that the honour was last held by the late Michael Smith, Nobel laureate, who was the person who brought Finlay to UBC and whose accomplishments continue to inspire both faculty and students, adds Piper.

"This is an outstanding honour and privilege," says Finlay, who is also a white-water kayaker, a runner, and a musician.

Finlay's research in UBC's Biotechnology Laboratory focuses on the interactions between disease-causing bacteria and their host cells, looking at how these pathogens adhere to, enter, survive in, replicate in, and exit the host cells.

One of his most significant discoveries was made in 1997, when he and his team reported the unprecedented finding that *E. coli* bacteria inserts a protein into healthy host cells to create a hospitable landing site for the bacteria. "That's completely unprecedented," says Finlay. "We know of no other pathogen that inserts its own receptor."

This discovery paved the way for a cattle vaccine, which significantly reduces the threat of *E. coli* in cattle.

"We believe we can, by vaccinating cattle, prevent E. coli infections in people and thereby, make a significant contribution to controlling this growing threat to humans."

"An *E. coli* vaccine for cattle is the best solution, because it deals with the problem at the source—the cattle's stomach—and prevents the bacteria from getting into the water supply and food chain, causing people to become ill," explained Finlay. "We believe we can, by vaccinating cattle, prevent *E. coli* infections in people and thereby, make a significant contribution to controlling this growing threat to humans."

Finlay has also established a national initiative called the Canadian Coalition for Safe Food and Water, which fosters research to increase food and water safety.

A graduate of the U of A and Stanford University, Finlay has a list of accolades, including being the winner of the 1998 E.W.R. Steacie Prize, Canada's top honour for young scientists and engineers. He is also a Howard Hughes Medical Institute International Research Scholar and a Fellow to the Academy of Science of the Royal Society of Canada, this country's most senior academic accolade. ■

This article originally appeared in UBC Reports.

bookmarks

Jayden's Rescue

Vladimir Tumanov, '85 BA, '93 PhD

The evil sorcerer-king is holding Queen Jayden captive in his castle, and only Alex, Vanessa, and Sam can save her … *Jayden's Rescue* provides young readers with a series of mathematical riddles to move the plot of this story along. See story on page 43. (Scholastic Canada, *www.scholastic.ca*)

Landing a Job for Canadians for Dummies

Dawn McCoy, '84 BA, '89 MBA

A certified human resources practitioner and recruitment specialist, Dawn McCoy has written this practical book, which helps you assemble your job-hunting toolkit. It is a one-stop reference guide that shows you how to get down to the business of landing a job. (Wiley Publishers, *www.wiley.ca*)

A Short History of Japan: From Samurai to Sony

Curtis Andressen, '78 BA, '80 BEd

A senior lecturer at Flinders University, South Australia, Andressen traces the threads of history, environment, and culture that run through the centuries to explain much about the Japan of today. This book is an ideal introduction to Japan for travellers, businesspeople, and students. (Allen & Unwin, *www.allenunwin.com.au*)

Driving Lessons

Edited by **J. Peter Rothe**, '71 BEd, '75 Dip(Ed), '76 MEd

Driving Lessons asks and answers many questions such as "Is using your cellphone like driving drunk? How is your driving affected by who is riding with you?" Drawing on psychology, sociology, education, engineering, medicine, and the law, this collection of articles calls for change in the hopes we can make traffic safer. (University of Alberta Press, *www.uap.ualberta.ca*)

As Long as the Rivers Flow

Larry Loyie with **Constance Brissenden**, '72 MA

In 1993, Brissenden and Loyie started Living Traditions Writers Group to encourage First Nations people to write about their traditions and stories. This is the story of Loyie in the summer of 1944, before he was taken to a residential school in northern Alberta. (Groundwood Books, *www.groundwoodbooks.com*)

The Small Details of Life: Twenty Diaries by Women in Canada, 1830–1996

Edited by **Kathryn Carter**, '97 PhD

This anthology presents diary excepts written between 1830 and 1996, covering the upper-class travails of 19th-century travellers and settlers to the workday struggles and triumphs of 20th-century students, teachers, housewives, and writers. (University of Toronto Press, *www.utpress.utoronto.ca*)

What Counts: Social Accounting for Nonprofits and Cooperatives

Jack Quarter, **Laurie Mook**, '97 MEd, and Betty Jane Richmond

How do nonprofit organizations add value to their communities? How can they create social capital out of the dollars invested in them? *What Counts* answers these questions and more as it goes beyond traditional accounting and tells a more detailed story of nonprofit and cooperative performance. (Prentice Hall, *www.prenhall.com*)

A Paradigm of Earth

Candas Jane Dorsey, '75 BA

Having recently moved to Edmonton, to escape from recent tragedies and feeling alone, Morgan Shelby opens her inherited mansion to a bunch of oddball outcasts. Though her boarders are an eccentric group, one individual stands out. An award-winning author, Dorsey has written this character study of the human condition through the interaction of an extraterrestrial being. (Tor Books, *www.tor.com*)

Boys in the Pits: Child Labour in Coal Mines

Robert McIntosh, '82 BA

This book provides an examination of child labour in Canada's coal mines during the Industrial Revolution. McIntosh takes readers into the workplaces, homes, families, and communities of these young miners, and presents new perspective, explaining rather than condemning the practice. (McGill-Queen's University Press, *www.mqup.mcgill.ca*)

In the Shadow of Katyn: Stalin's Terror

translated by **Witold Swianiewicz**, '71 BEd

Swianiewicz has translated this book written by his father, a scholar and soldier, who in 1939 was captured by the Soviets and avoided execution as his knowledge of the German economy caught the interest of his Soviet captors. He was interrogated and sentenced to forced labour in the Gulag. His survival and escape from the claws of the NKVD. (Borealis Publishing, *www.borealisbooks.com*)

Natural Gas Hydrates: A Guide for Engineers

John Carrol, '80 BSc(Eng), '90 PhD

In the natural gas business, hydrates, crystalline solid compounds formed from water and smaller molecules, are problematic, damaging equipment. This book provides engineers with the tools they need to combat hydrates in their work. (Gulf Professional Publishing, *www.bhusa.com/golf)*

Canmore Miners: Coal Miner Portraits and Stories

Lawrence Chrismas, '68 MSc

A collection of heart-warming stories and engaging black-and-white photographs that provides readers with an intimate look at life in a single-industry town.

A documentary photographer, mining historian, and geologist, Chrismas has been photographing and interview Canadian coal miners for more than 20 years. (Cambria Publishing, *www.cambriapublishing.com*)

classnotes

'27 Ida Sullivan (Jamieson), BSc, finds it hard to believe that the U of A graduates 7,000 students a year. "My class of '27 had fewer than 150–five females, of whom I was one. What a change."

'40 Jeanie Tronningsdal, Dip(Nu), '41 BSc(Nu), or Creston, B.C., writes that her 60th class reunion was a "memorable time." Jeanie graduated from a nursing class of 11, five attended the reunion, held in October 2001.

'41 Gordon Darling, BSc, of Kelowna, retired from a career as a professional petroleum geologist.

'47 Kathleen Croteau, Dip(Nu), '48 BSc(Nu), of Warner, Alberta, attended her 55th class reunion at the Jasper Park Lodge in late October 2002.

'48 James Way, BCom, '49 BEd, and wife, **Martha Way (Kochalyk)**, '51 BEd, are enjoying retirement–James for 17 years and Martha for 22–from the Calgary Public School Board. They are fast approaching their 50th wedding anniversary, and Larry is looking forward to his 55th U of A reunion this October.

'49 Thomas Coram, BSc, of Ottawa, retired in 1979 after 30 years in the patent office with the Federal Public Service as director, electrical and sciences branch.

John Sigal, BSc, '51 BEd, of Montreal, has closed his clinical practice but occasionally consults with former patients. John continues to research and teach, albeit on a somewhat reduced schedule.

'51 Douglas Lord, BEd, writes there's "no change from winter 2002-2003" except "I'm getting older." Douglas still flies radio-controlled aircraft.

'53 John Lavallee, MD, '51 BSc, of Seattle, writes he's an "ex-patriot living in the U.S.A." He frequently visits Canada and is looking forward to his class reunion this October. John has become computer savvy and rebuilt and sold a VW bug. "I'm now trying to get my 1972 Fiat spider working."

'55 Joseph Blonsky, LLB, '51 BSc, retired from his Vegreville law practice in 1999. Joseph was widowed in 1991 after 33 years of marriage with Ollie. "Keep busy maintaining yards and volunteering primarily with the Rotary Club in Vegreville." He also enjoys fishing and spending time with his grandchildren in Cochrane, Alberta.

'56 Bohdan Kuzyk, DDS, of Edmonton, was recently awarded Honorary Membership in the Canadian Academy of Pediatric Dentistry for his contribution to the dental profession as an educator and clinician.

'58 John Vandermeulen, BSc, '67 MSc, and his wife, **Gail Ban Vandermeulen (Reynolds)**, '63 BA, moved to Nova Scotia after John obtained his PhD in marine biology at UCLA followed by a post-doctoral year at Duke U. John was a research scientist at the Bedford Institute of Oceanography, and Gail worked as a social worker, while earning her bachelor of social work from Dalhousie U. Early retirement meant career changes for both. John is now in metal arts, exhibiting his work in local galleries, and Gail weaves high-end textiles.

'61 Charles Crawford, BSc, '64 MSc, was recently appointed professor emeritus of psychology at Simon Fraser U. In October 2002, Charles received the university's Sterling Prize for Controversy for his lecture "Managing our ancestral brain in a troubled world." You can view the text at *www.sfu.ca/sterlingprize/*. Charles continues his work on the application of Darwin's theory of evolution to the study of human behaviour.

'63 Frederick Laux, BA, '64 LLB, upon retirement from the U of A, will serve as counsel to the Edmonton firm Shores Belzil Jardine.

Ray Learmond, BSc(Eng), returned home to Montreal in late November 2002 after completing a 25-month around-the-world sailing adventure on a "74-foot yawl." Ray is now looking for something interesting to do and may be contacted at *ray.learmond@sympatico.ca*

Peter McQueen, DDS, of Orleans, Ontario, is chair of a dental advisory committee of Health Canada, coordinator of the pastoral care team at his church, and president of the Royal Canadian Dental Corps Association. He is also a fellow of the International College of Dentists.

'65 Hans Kratz, BEd, '77 MEd, retired in 1991 and moved with Juliana to Qualicum Beach, B.C., where both are busy volunteering. Hans is president of the Qualicum Beach Residents' Association and does development and peace work.

Robin Leech, MSc, '71 PhD, of Edmonton, retired in May 2002 after 18 years of teaching various biology courses, hard core grammar, and English at NAIT. He immediately took on the job of executive director of the Alberta Society of Professional Biologists. Robin is known to many Edmonton and area school kids as "The Spiderman" as he and his large pet tarantula go to many schools to give illustrated presentations about spiders.

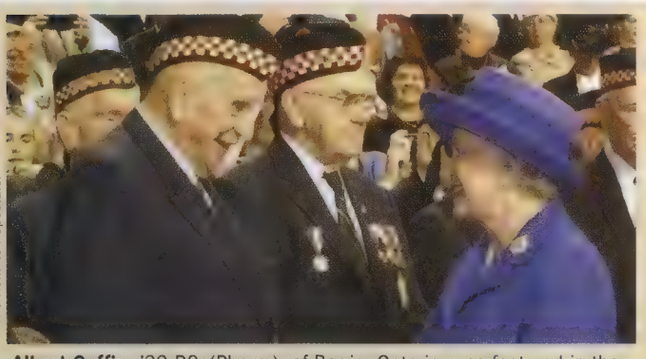
St. Patrick's Day 2003 was a memorable day for **Lloyd Malin**, '65 BA, '70 LLB. In addition to being sworn in as a judge for the Provincial Court of Alberta, Lloyd also received word that he would be receiving an honorary degree from the U of A at its spring convocation. Lloyd, who has served on the University's Alumni Council and the Board of Governors, is well acquainted with his alma mater. "I've sat on the convocation stage and seen many outstanding people receive honorary degrees," says Malin. "Just to be considered for such a degree is an honour. To actually be getting one is overwhelming."

'66 Mary Maxie (Sheddy), BA, and **Peter Maxie**, '64 BCom, live in Phoenix, Arizona, where they are close to their only grandchild. Peter is one of 100 home inspectors certified by the State of Arizona, and his Pillar to Post Home Inspection business keeps him busy. Mary is a real estate broker with her own firm. The couple welcomes friends to visit. Their e-mail is *maxiemary@hotmail.com*.

Michael Grandin, BSc(Eng), of Calgary, was recently elected director of IPSCO Inc., an electric furnace flat rolled steel producer.

'68 Nora Day, Dip(Nu), '73 BSc, is a proud alumna with three grandchildren attending the U of A: two from California and one from Spruce Grove. "Enjoy the Johns Alumni Circle."

Andrew Kirby, BSc, of Calgary, was recently promoted to vice-president at Olympia Energy Inc.



The Hamilton Spectator

Albert Coffin, '32 BSc(Pharm), of Barrie, Ontario, was featured in the *Hamilton Spectator* on 11 October 2002, pictured with Queen Elizabeth, who presented new colours to the army regiments the Argylls and the Sutherland Highlanders. Albert, who started his own pharmacy in Medicine Hat, Alberta, after leaving the U of A, served in the Second World War, led the Canadians into Berlin, and won the Distinguished Service Order. This was the second time that Albert has met the Queen, noting that she is fond of veterans and always makes a point to meet and talk with them.

David Sherwin, BEd, retired in 1994 after 30 years of teaching in Red Deer, Alberta. David went to Maxwell International Baha'I School to volunteer for a year to do maintenance work. "Loved it and still do eight plus years later."

Philip Ponting, BCom, a senior partner in the Calgary office of McLennan Ross LLP, was recently appointed chair of the board of governors of the Banff Centre.

'69 Khem Jhamandas, PhD, '66 MSc, a professor in the pharmacology and toxicology department at Queen's U in Kingston, was awarded the 2002 University Prize for Excellence in Research in recognition of his contributions to research and scholarship.

Morris Maduro, MA, '78 PhD, of Edmonton, was recently appointed director of the U of Lethbridge–Edmonton Campus. Previously, Morris was with the U of Regina.

'70 Donald Clark, MSc, '86 PhD, is the chair of the City of Regina's 2003 Centennial Celebration Committee.

Ted Zaharko, BCom, of Calgary, was recently appointed vice-chair of the Real Estate Council of Alberta.

'71 George Hough, BA, of Hamilton, completed a busy year after retiring from the policy branch of the Ontario Ministry of Municipal Affairs and Housing. "Reliable sources report he has survived a term as professor in the housing studies program at the U of Guelph." George is trying his hand as a land economist in his "copious" free time. He invites former colleagues and friends to e-mail him at *ghough@cogeco.ca*.

Neil Manning, MBA, '67 BA, of Toronto, was recently appointed president and CEO of Wajax Ltd.

Su Guaning, '71 BSc(Eng), of Singapore, was recently appointed president of the Nanyang Technological U.

'72 Frank Gibson, BCom, recently merged his company, Indacom Real Estate Ltd., with NAOI Commercial Real Estate, forming one of the largest commercial real estate firms in Edmonton. Frank serves as a foundation member of the Odyssium, he is an honorary director of the Citadel Theatre, and he coaches competitive level soccer.

Michael Szapko, '70 BSc, '71 Dip(Ed), of Santa Monica, California, has recently completed his 12th year at Paramount Studios. Michael has a client list that reads like a Hollywood blockbuster and a former *Cheers* star has nicknamed him "the chiropractor to the stars." Michael enjoys snowboarding, skiing, hiking, and playing the piano. He says attending Hollywood events is one of the perks that goes with the job. When it comes to the annual Academy Awards, Michael writes that it is "the most surreal, how could they not be. I wish everyone could attend at least one ..."

photos (top to bottom): Michael with Tony Curtis at the 1999 Academy Awards; Michael with Kelsey Grammer and David Lee, one of the creators and producers of *Frasier*, at the Emmy Awards; and Michael with Kim Basinger winning her first Oscar for her role in *L.A. Confidential*.

Simon Segall, BSc, recently joined the Toronto company Barrantagh Investment Management Inc. as senior vice-president and partner responsible for sales and marketing in Alberta, B.C., and Ontario.

'73 MaryEllen Gillan, BA, '76 MA, took early retirement as director, Western Canada, Passport Offices, Department of Foreign Affairs with the federal government and is now busier than ever. She has been active as director of the non-profit Operation Rainbow Canada and participated in the 2002 Philippines medical mission. Her report is posted at *www.operationrainbow-canada.com*. She served a term with the B.C. parole board, and manages three e-mail information groups. She was included in the 2001 Ivey School of Management's *Women in the Lead Directory*. Her book, *Obits-The Way We Say Goodbye*, was favourably reviewed across Canada, and MaryEllen is working on her next book. "Retirement is an extremely busy chapter in life!"

Ron Malin, BCom, of Edmonton, was recently appointed president and CEO of Alberta Blue Cross.

Harold Kingston, BCom, of Edmonton, was recently appointed director of the Canadian Breast Cancer Foundation–Alberta/NWT Chapter.

'74 Randy Berry, BCom, of Calgary, was named a member of BDO Dunwoody LLP, Chartered Accountants and Consultants Policy Board for the 2002 to 2003 term.

Charles Galan, BEd, of Ladysmith, B.C., recently accepted a posting as manager of labour relations for the City of Nanaimo on Vancouver Island after 27 years practicing in labour relations in Alberta.

'75 Thomas Gee, BSc, of Edmonton's Peterson Walker Chartered Accountants, was recently appointed treasurer of the Alberta Home Builders Association.

David Syme, LLB, recently joined the legal team at Cleall Pahl in Edmonton.

'76 Tim Duholke, BCom, was recently honoured with a fellowship by the Chartered Accountants of B.C., a designation that is awarded for service to the profession and community. Tim is a partner with Sheinin & Co. in Vancouver.

'77 Leo Hofmann, BEd, is the pastor at St. Matthew Roman Catholic Church in Edmonton and a sessional lecturer at Newman Theological College.

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Ian McKenzie, BA, was part of an international caving expedition that discovered, explored, and surveyed the deepest cave in South America, high in the Andes of Central Peru in September 2002. "I'm getting too old for this stuff," writes Ian, who has caved in more than 10 countries during the past two decades. Ian and his wife, Lynette, are renovating a 100-year-old house in the Crowsnest Pass, where they hope to retire on Ian's 50th birthday.

Allen Stowkowy, BSc(Eng), of Calgary, was recently appointed president of Stuart Olson Construction.

Gordon Winkel, BSc, '79 MEng, of Fort McMurray, Alberta, was recently promoted to vice-president of Bitumen Production, Aurora Mine, at Syncrude Canada.

'78 Gary Bardell, MSc, '84 MBA, of Calgary, is the newly appointed president and CEO of the Churchill Corporation.

Shauna Miller, LLB, '74 BEd, of Edmonton, was recently appointed chair of the Norquest College Foundation.

Stan Senkowski, BSc, is employed by ESBE Scientific as a sales representative in Toronto. "The genetics background from U of A has been very beneficial when I visit research labs in universities and hospitals."

'79 Alnashir Meghji, BSc, recently joined Osler, Hoskin, & Harcourt LLP as a partner in the tax department based in the Calgary and Toronto offices.

'80 Ronald Campbell, BCom, of St. Albert, Alberta, was recently appointed sales manager for Western Canada with Shippers Supply Inc.

Rita Chow, BA, '82 MA, founding president of the U of A's Student Volunteer Campus Community (SVCC), pays tribute to the late Father Francis Firth, a priest of St. Joseph's College. Rita has prepared a website, *www.geocities.com/svcchistory* and a book to remember Father Firth's tremendous contributions to the SVCC, *The Early History of the Student Volunteer Campus Community and Father Francis Firth, 1980-85*. The book can be found at Edmonton's Stanley A. Milner Library and the University's St. Joseph's, H.T. Coutts, and Rutherford Libraries.

Liam O'Connell, BSc(Eng), of Red Deer, Alberta, is relocating to Europe for a year with NOVA Chemicals Ltd. Liam will be based in Breda, Netherlands and will be the European capital projects leader for France, Netherlands, and England.

'81 Scott Ellis, BCom, lives with his family in Canmore, Alberta. "Our four children love the mountains and the varied recreation activities." Chris, the eldest, is considering a business degree at the U of A after his graduation in the spring. "There may be others ..."

Brian Kucey, DDS, '79 BSc, recently built and opened a facility for dental implants in Edmonton—the Alberta Implant Centre—as well as the Alberta Implant Laboratory.

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'82 Randy Helander, BSc, '84 BEd, was recently appointed vice-president, human resources, for Maxxam Analytics Inc., an analytical laboratory company based in Mississauga, Ontario. Randy and his wife, **Barb Helander (Clark)**, '83 MSc, make their home in Brampton, Ontario.

Kevan Ladner, BCom, of Leduc, Alberta, was recently appointed chair of the Real Estate Council of Alberta.

Brent Shervey, MBA, '75 BCom, is a partner in the firm of Boyden Global Executive Search. His wife, **Gail Shervey (Dunsworth)**, '75 BA, is working on her master's degree at the U of C and continues to work for the Calgary Board of Education.

'86 Liana Harper, BSc, lives in Coaldale, Alberta, where she works as a chiropractor. Liana and her husband, Pierre Gaulin, have two children, four and 14 months.

Wendy Phillips, BEd, teaches students in Grades 8, 10, and 12 at Sir Winston Churchill School in Vancouver.

'88 Virginia Brown, BSc, '88 BSc(RehabMed), is on maternity leave from her occupational therapist job at Calgary's Foothills Hospital. Virginia has two children. "Emerging from the dust of a major renovation to our new home. Did I say busy?"

Jo Milne-Home, PhD, '80 MEd, of New South Wales, Australia, was recently honoured with the U of Western Sydney Vice-Chancellor's Excellence in Teaching Award for her outstanding excellence in teaching, service to students, and professional services.

'89 Dawn McCoy, MBA, '84 BA, of Hinton, Alberta, is the founder and president of E-Lynx Inc., a human resources and management consulting firm, and the "CEO of a household of four children and one dog." Dawn wrote *Landing a Job for Canadians ... for Dummies,* and she has written many magazine articles.

Sari Sikstrom, BA, of Vancouver, provides research and writing for diverse clients, such as the Commonwealth of Learning and the David Suzuki Foundation. Sari encourages all U of A Alumni to take the nature challenge at *www.davidsuzuki.org/WOL/Challenge/* and minimize our environmental footprint.

When **Vladimir Tumanov**, '85 BA, '93 PhD, found his son, Alex, wasn't getting excited about math, he decided to write *Jayden's Rescue*, a book designed to make math fun. A fantasy fiction novel, *Jayden's Rescue* has the main characters answer a series of mathematical puzzles to move along the plot of a magical book they have found.

Since its publication in 2002, the book has been quite successful. Vlad has received numerous letters from teachers across Canada who are using *Jayden's Rescue* in their Grades 4, 5, and 6 classes.

Vladimir with his two children, Vanessa and Alex

"They typically read the book aloud to the class and then stop at every puzzle," says Vlad. "The teacher does not continue reading until someone comes up with the correct solution, and the desire to find out what will happen next seems to be a very good motivator." According to the teachers, Vlad says, "students enjoy the whole process very much."

In fact, Vlad, a professor at the University of Western Ontario, is so pleased with his first book and his son's improved attitude towards math that he has completed a sequel to *Jayden's Rescue* and is already working on a third book. "The same characters appear [in the sequel], but the adventure is completely different, and the puzzles do not have to do with math but with geography," he says.

Currently, Vlad is teaching a course on international children's literature and is thoroughly enjoying the opportunity to write for children. "I see my future in children's literature," he says. "The course I am teaching at UWO has greatly contributed to my own understanding of the children's novel genre, and hopefully this will contribute to the quality of my writing."

— Chelsea Clogg

'91 Jason Twamley, PhD, was recently appointed dean of research and graduate studies at the National U of Ireland in Maynooth. Jason joined the university in 1998 as a lecturer in the mathematical physics department. His research interests include quantum theory. He was recently involved in developing new quantum algorithms and new physics designs for computers.

'92 Wanda Aubee (Portsmouth), BSc(FdSci), of Didsbury, Alberta, competed in the National Bodybuilding Championships, which were held in Toronto on 21 September 2002. Wanda placed fourth in the lightweight division. "I'd love to hear from other alumni interested in competing in the sport." Alumni can contact Wanda by e-mail at *waubee@purina.com.*

Jason Emsley, BSc, and **Sarah Emsley (Baxter)**, '95 BA, were married in 1995 in Halifax. In 2002, they both graduated from Dalhousie U—Jason with a PhD in anatomy and neurobiology and Sarah with a PhD in English literature. Sarah is now a Social Sciences and Humanities Research Council of Canada postdoctoral fellow at the Rothermere American Institute in the U of Oxford. She spends her time in Oxford and Boston, where Jason is a research fellow in Neuroscience at Harvard Medical School and the Massachusetts General Hospital.

Howard Gibbins, BA, has set up *www.telusplanet.net/public/hgibbins/artshome.htm* to help the 1992 arts class stay in contact.

Sean Moir, MA, '86 BA, of Edmonton, is working on his master's degree in library and information studies at the U of A. His wife, **Alision Moir (Kuzyk)**, '90 BA(RecAdmin), is the program coordinator for Rutherford House, located on campus.

'93 Shelley Pirnak, MLIS, '89 BA, decided to settle down in Springfield, Missouri. "My significant other and I made it official by getting married in Las Vegas this past November." Shelley is a research library manager for a foodservice advertising agency.

Marlyn Roberts, MLIS, '81 BA, is the teen services librarian for a branch of the Long Beach Public Library in Long Beach, California. "I love it here, and I don't miss Alberta winters one bit!"

'94 Mark Morpurgo, BCom, '02 MBA, of Edmonton, recently accepted a position with BearingPoint Inc., formerly KPMG Consulting, as a senior consultant. Mark is married to Brenda and they have two girls, ages three and one.

Robbin Rae Peterson, BA, of Seattle, and husband, Todd Baker, welcomed their first child, Audrey, into the world in August 2002. Robbin has decided to stay home and enjoys her new career as a mom.

'95 Ken Armstrong, LLB, of New Westminister, B.C., reports he has two new additions to his family, daughter Stephanie—class of 2023—and a new home "complete with mortgage."

'96 Jennifer A. Boisvert, BA, is a PhD candidate in clinical psychology at the U of Regina. She has recently been awarded a prestigious and generous grant from the Social Sciences and Humanities Research Council of Canada to support her dissertation research, which focuses on hope and eating disorders.

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- Pre-trip lectures
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- Two nights' accommodation
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- Cypress Hills Prov. Park tour
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- Visit to the Trochu Arboretum
- Two breakfasts and three dinners, including an old fashioned barbecue

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Television's "Nature Nut," John Acorn, will accompany the group, providing insight and entertainment along the way!

Faculté Saint-Jean

May 25, 2003 • $72.50 per person • Lunch inclusive

Offering the only French-language university-degree programs west of Manitoba, Faculté Saint-Jean is an integral part of the intellectual and social atmosphere of the University of Alberta. Join us as we learn about the unique history and dynamic culture of the Faculté, take a tour of its campus and surrounding community, and enjoy lunch with fellow alumni and friends.

Devonian Botanic Gardens

June 19, 2003 • $35 per person • Lunch included

Since 1959 the Devonian Botanic Garden has enchanted visitors with its display gardens, ecological reserves and authentic Japanese Garden. Join fellow alumni and friends on a spectacular day tour of the Garden. Explore on your own by foot in the morning and then enjoy a customized motorized tour with an expert guide in the afternoon. Lunch in the Japanese Garden's Ozawa Pavilion is included, as is deluxe motorcoach transportation between Foote Field (near campus) and the Devonian Botanic Garden.

Tour of Campus Trees

July 17, 2003 • $5 per person

There are well over 30 different kinds of trees on the University of Alberta campus, from native Alberta species to northern European and Japanese varieties. And, there's a story for each of these trees. Join tree enthusiast Dr. Paul Woodard, professor of forestry in the Department of Renewable Resources, on a walking tour of our campus trees. It will be an educational and entertaining experience: you'll never look at trees the same way again!

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off the beaten path

For entertainment junkie **Su-Ling Goh**,'95 BSc, hobnobbing with some of today's hottest celebrities is all part of the job. As the host of Global TV's nationally syndicated show *Inside Entertainment*, launched in 2000, Su-Ling travels the globe (most often to New York and Los Angeles) to satiate Canada's hunger for celebrity news and gossip. "I have one sweet gig," she admits.

Born in Edmonton and raised in St. Albert, Su-Ling graduated with a science degree from the U of A, before completing the radio and television program at the Northern Alberta Institute of Technology. "I have a lot of great memories from the U of A," she notes. "I mean, that's where I learned to dissect a cat," she laughs.

Other unforgettable memories include writing exams in the Butterdome while people jogged around the track, scarfing down pizza at HUB Mall, and "freezing my butt off during my trek from the Tory Turtle to SUB in minus 30 weather," she exclaims.

"I honestly don't think I would be where I am today without the qualities I learned there," she says quite seriously, and she credits her strong work ethic, solid writing skills, and the "ability to meet a deadline on pretty much no sleep" to her studies at the U of A.

It was later on at NAIT that Su-Ling realized her "true love" and calling was the world of entertainment, and she made the decision to move to Calgary and cover the local scene for the A-Channel.

Pyramid Productions, Inc.

"The *Inside Entertainment* executive producer saw me on A-Channel and called me in for an audition," she says.

The rest is, as they say, history.

In May 2002, Su-Ling attended the Cannes Film Festival and rubbed shoulders with the likes of Andie McDowell, Faye Dunaway and Leonardo DiCaprio.

"I kept doing the point-and-wink move," she laughs. "A Calgary girl on the red carpet at Cannes—I couldn't help but crack up."

More recently, Su-Ling has had opportunities that others only dream of. She has attended the Toronto International Film Festival, the premiere of Celine Dion's Vegas extravaganza, and the Grammy Awards in New York this past February, where a certain U2 frontman got up close and personal. "Bono flirted with me," she breathes. "My head is still spinning!"

As for ever leaving Canada for an American network job, Su-Ling is adamant about remaining around friends and family.

"There are decisions you make for the ego, and there are decisions you make for the heart. Staying in Canada is definitely for my heart."

—Michaelle LeMann

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Elizabeth Hellinga, LLB, '93 BA, after practising law in Yellowknife, moved to Ontario in 2001 and settled in St. Catharines. Waiting for her transfer to be completed, she opened a business conducting legal research, preparing factums for lawyers. She was called to the Ontario Bar in February 2002 and is now practising criminal law.

'97 Dougal Thomas, BEd, went on to receive a master's degree in physical education from Delta State U. Dougal coaches basketball at Mississippi Delta Community College, in Moorehead, Michigan.

'98 Paul Cowles, BSc, of Toronto, is working on another high-tech startup company building software that utilizes the emerging Semantic Web to help users manage their personal information. "Watch out for Semaview as we launch the first version this summer. For all those that I've lost touch with—drop me an e-mail and say hello."

Erika Hunting (Szabo), MD, '94 BSc, and her husband, **James Hunting**, '95 BSc, '02 BSc(Eng), are delighted to announce the birth of their daughter, Janelle. Erika is completing her residence in psychiatry and James is a project engineer for Petro Canada.

Jerome Woynarski, MBA, '88 BA, recently relocated to the West Coast, where he is the VP of operations for B.C. Hot House Foods, one of North America's largest commercial hydroponics vegetable growing and marketing companies.

'99 Rod Arrau, MBA, '93 BSc, of Vancouver, works at GlaxoSmith-Kline Inc. as a territory manager in the diabetes care sales force. He is currently studying for his CCPE accreditation and plans to pursue a CMA designation in 2003.

Jennifer Fukuyama (Smith), BA, got married in November 2002 "to a wonderful man I met in Japan." Their Canadian wedding is planned for 13 June in Vancouver.

Jennifer Goodine, MMus, is in the PhD music program at the U of A and is also an organ scholar at Trinity College in Toronto.

Felipe Quiroz-Borrero, LLB, '95 BA, has accepted a position as a legal officer with the Department of National Defense, Office of the Judge Advocate General in Ottawa. Felipe will soon begin his first post as a deputy judge advocate (Pacific) in Victoria, where he will serve as a legal advisor to the commander of the Pacific Fleet.

Rachel Parker, BSc(Eng), of Maharastra, India, is the deputy world centre manager at the World Association of Girl Guides and Girl Scouts Centre in Pune, India. Rachel is responsible for property maintenance and development, marketing, finances, administration, and the day-to-day operations of the centre.

'00 Olumide Obayemi, LLM, is an associate attorney at Roman & Singh LLP, in Fremont, California.

Angela Dawn Rayner (Moses), BEd, '98 BA, married Ryan Rayner of Oshawa, Ontario, in the summer of 2002. She is a Grade 6 teacher in Ajax, Ontario.

Douglas Smith, MEng, was recently appointed manager of URS Corporation's Edmonton Office.

Juli Stoneberg, BA(RecAdmin), '97 BA, after three years as a senior immigration officer at Toronto's Pearson International Airport, moved to Ottawa where she is a foreign service officer with Citizenship and Immigration Canada. "Next stop? Delhi, Manila, Bogata ... who knows?" Friends can contact her at *julistoneberg@hotmail.com*.

U of A entrepreneurs: U of A alumni are running Alberta's top three fastest growing companies. In fact, several of the companies listed in *Alberta Venture* magazine's fifth annual report on the province's fastest growing companies are headed by U of A alumni.

At the top of the list is Vintacom Media Group, a developer of e-commerce applications and an online dating service. Its president and CEO is **Brad Hogg**, '94 BSc(Eng). Not only is this company booming in Alberta, it's one of the top Internet dating sites in the world, and it boasts more than 3.5 million registered users.

Second on the list is the electronic game and entertainment company, BioWare Corp. Headed by **Ray Muzyka**, '90 BMed, '92 MD, and **Greg Zuchuk**, '90 BMed, '92 MD, BioWare is currently putting the finishing touches on the role-playing video game, *Star Wars: Knights of the Old Republic*.

The third is Isotechnika Inc., a company that researches and develops therapeutic drugs. Its president is **Robert Foster**, '79 BSc, '82 BSc(Pharm), '85 MPharm, '88 PhD.

Other U of A entrepreneurs recognized in the magazine were **Nizar Somji**, '85 BMEng, CEO of Matrikon Inc, and **Don Murphy**, '81 BCom, and **John Murphy**, '84 BA, co-founders of Shana Corporation, a company that develops electronic form solutions.

CORRECTION:

In the Winter 2002-2003 issue, Cindy Jardin's degree was incorrectly listed as a BSc rather than a MSc. Also, Neil Manning's year of graduation should have read '67 BA. *New Trail* apologies for any inconvenience these errors may have caused.

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Thank you, thank you, thank you!
Report on Gifts in Action 2003
UNIVERSITY OF
ALBERTA

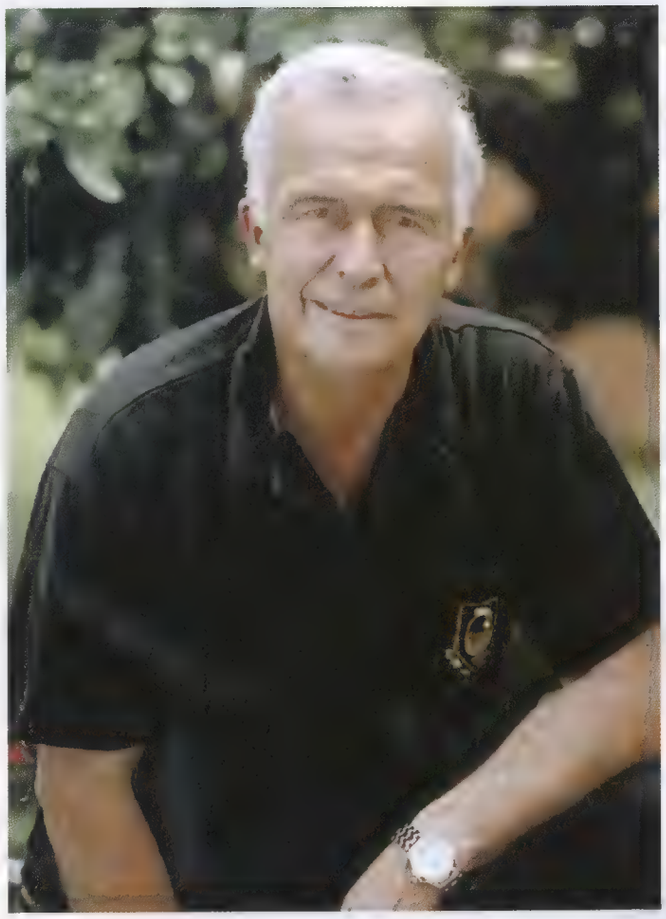
Sharing stories, sharing successes

University of Alberta alumni and friends play a truly significant role in the success of our great institution. Through your personal commitments, you have championed our University. Your support as donors, volunteers and ambassadors has helped us move towards achieving our vision of being indisputably recognized as one of Canada's finest universities and among a handful of the world's best.

I am pleased to present to you the University of Alberta's 2003 Report on Gifts in Action. This year, our focus is to share stories of our successes made possible by exemplary generosity. For example, between September 1, 2000 and March 1, 2003, some 30,000 alumni and friends generously gave a total of $55,206,000 to the University of Alberta. What a tremendous demonstration of your commitment to the U of A!

We are most grateful for your many gifts and equally appreciative of your trust in our ability to use these gifts to improve the experience of students, faculty and researchers. Read through this insert. Meet some of our donors. Learn how their contributions – and yours – have made a difference at our University of Alberta.

I hope you enjoy these stories of fellow U of A alumni, friends and colleagues who, like you, understand the importance and value of investing in education. On behalf of the University of Alberta, I say, "Thank you, thank you, thank you".



Roderick D. Fraser, PhD
President

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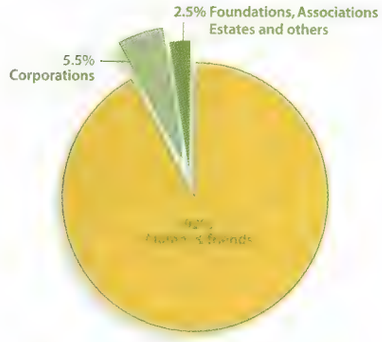
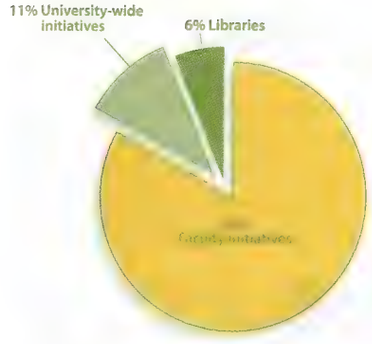


Who is giving?

Between September 1, 2000 and March 1, 2003:

28,146	Alumni and Friends gave	$20,000,062
1,692	Corporations gave	$13,397,863
763	Foundations, Associations, Estates and others gave	$21,811,295
30,601	**donors made gifts totaling**	**$55,209,220**



Where have your gifts had the most impact?

$45,889,057	**to Faculty-specific initiatives,** including scholarships and bursaries, academic programs, research projects and facilities
$ 6,010,257	**to University-wide initiatives** including academic programs, research projects, other special projects
$ 3,309,906	**to Libraries**
$55,209,220	

A Positive Attitude

This May marks the 20th anniversary of Dr. Robert Forbes' ('71 BA, '75 MD) first donation to the University of Alberta.

A pediatric anesthetist, Dr. Forbes has worked at the University of Iowa Hospital since leaving Edmonton in 1983. Yet not a day goes by that he isn't grateful to the U of A.

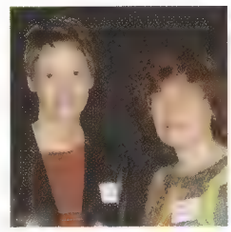
"My education there opened my eyes to other things I could pursue that weren't even within my imagination growing up," he says. "I feel a responsibility to give back some of what I've gotten, so that other people can have the same opportunities that I've had."

Most of Dr. Forbes' contributions have gone to the University Fund, which enhances a wide range of activities across the campus. "I want somebody who's in fine arts to benefit, if that's what they want to do, or somebody who's in English or biology or education," he says. "I think all of those things are valuable and I would rather support all of those things generally than limit where I send the money."

Dr. Forbes graduated from the U of A "owing almost nothing in terms of money, with the skills and knowledge to really have a wonderful life." Yet even if he had to borrow to finance his education, as many of today's students must, Dr. Forbes says he'd still feel the sense of obligation.

Tuition, he says, pays "for the lights and the water and the books and a lot of concrete things, but there are a lot of intangibles that you go away with. There's an attitude, a commitment, a belief in what you do – a kind of philosophy of life, almost, and these are things that don't really have a monetary value, but are still extremely valuable in people's lives."

All in the family



Ellen and Petrus Berg settled in southern Alberta in the early 1900s. Five of their nine children earned degrees in agriculture from the U of A. Son Roy served as Dean of the faculty and is now a Professor Emeritus of Animal Science. Seventeen third-generation Bergs received U of A degrees, more than one-third in agriculture.

So it probably shouldn't come as a surprise that, last spring, the Berg clan decided to establish the "Ellen and Petrus Berg Family Memorial Award".

The award is part of the larger Bar None Endowment Fund, started in 1997 to support scholarships and awards for undergraduates in agriculture, nutrition, food science, and agricultural/food business management programs. Presently valued at $383,000, the goal is to raise $500,000 by 2005 and $1 million by 2010.

The $1,000 Berg Family Annual Award is part of the Undergraduate Leadership Awards Competition, for which decisions are made every December. The first recipient, Sherry Kristensen, is in her fourth year of Bachelor of Science in Foods and Nutrition degree. Her varied volunteer activities include the Nutrition and Food Sciences Students' Association, Buck for Wildlife, Hope Kids and Capital Care Grandview.

"It wasn't hard to convince our relatives to get involved," says Ruth Ball, one of Roy's daughters. "It's a matter of telling them the opportunity exists and suggesting that a gift to our family award is an ongoing commitment. When you have lots of people contributing each year, you will soon see it grow."

Every gift matters

In a very tangible demonstration of the old axiom, "the whole is greater than the sum of its parts," the Faculty of Education's Reading and Language Centre underwent a $100,000 renovation last fall – thanks to contributions from more than 2,100 alumni.

The grand total was $102,098.65 – twice the targeted amount – with an average gift just under $50. "We were initially hoping to raise half from alumni and half from other sources, but the enthusiastic response of our alumni showed that alumni could do it all," says Ken Crocker, Director of Development and Alumni Relations for the Faculty.

The Reading and Language Centre is primarily a teaching facility where graduate students carry out reading and writing assignments and tutor children and adults from the community who have difficulties learning to read and write.

"One reason the fundraising campaign was a success is that so many people could relate to the need," says Crocker. "We're not just educating reading specialists; we're also helping people in the community."

The Centre was established 30 years ago, and it hadn't been renovated since. "We really needed a well-designed literacy-friendly place to work in, as well as better facilities for our resources," says Carol Leroy, Director of the Centre and Associate Professor in the Faculty of Education. "Now we have a place to keep our test and teaching materials, and where people of all ages and backgrounds can feel at home while working on their reading and writing."

Crocker's take on the success of this project and the overwhelming support from alumni speaks volumes: "If we all do our part, to the best of our ability, we can make a difference."

Giving back...

When the U of A approached Bruce Saville about helping to fund its new south campus sports complex, the Edmonton businessman had no qualms about saying yes.

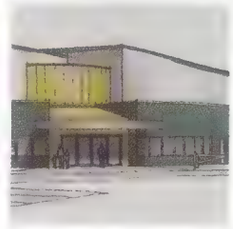
"It made a lot of sense," says Saville, a long-time member of the University tennis centre and an avid curling fan. "I know the tennis centre is in dire need of a new location, and I like the idea of the south campus being used for sports."

What really inspired Saville's involvement is his love of curling. "I've been a sponsor all across the country and this is really a chance to build a state-of-the-art curling facility which I think the sport needs," he says. "In curling there are elite players and there are community players and children play the game, but this is a chance to take it to a new level."

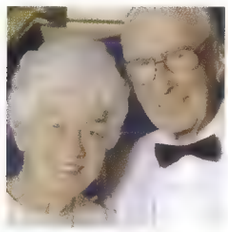
Saville's goal is to have the Faculty of Physical Education and Recreation teach curling to students, who will then go out and teach the game to youngsters, keeping curling rinks across Canada busy both day and night.

The Saville Sports Centre, which will be adjacent to the Foote Field building, will house curling, tennis and gymnastics. Saville made his initial gift in 2001 and increased his commitment to the project in 2002. Construction is to begin this month.

Saville feels good about his gift to the U of A. "I'm happy about it," he says. "It's for a sport I love, it's for the city where I live, it's for a city where I had my success and it's giving back something to the city in a way that I believe will have a strong and long-lasting benefit."



...Planning ahead



During the six months her husband received palliative care at home, Elly de Jongh was so impressed by Capital Health's team of nurses and personal care attendants that she made it a priority to support the Faculty of Nursing. "I decided that more attention should be paid to palliative care nursing because of our aging population, and also because I believe it's so important for people to stay in their homes instead of an environment that is alien to them when they are ailing," she says.

Through a well-planned series of gifts, de Jongh has ensured the future growth and prosperity of the Faculty of Nursing through the creation of the Dr. Herman and Elly de Jongh Graduate Scholarship. Mrs. de Jongh is also helping to support the Clinical Nursing Research Chair, created to further palliative care research. And she has also contributed to the long term growth of the faculty by her ultimate gift, a bequest in her will toward the Clinical Nursing Research Chair.

de Jongh says it has given her a good feeling to see her contributions of time and financial support actually helping others, a sentiment common to donors, says Jessica Twidale, the Faculty of Nursing's Director of Development and Public Relations.

"Those who give are rewarded by knowing their contributions are making a real difference in the quality of life for others," Twidale says. "Because Elly de Jongh had the foresight to think of the Faculty of Nursing, we will be able to make further advancement in the important area of palliative care."

Syncrude Canada – Building Communities

Whether we hold a pen or a pipe wrench, this is a story about people working together in a spirit of cooperation toward mutual goals. Whether we aspire to teach, learn, create, sell, or build, this story is a testimony to what can happen when there is a shared willingness to forge ahead and create new paths of opportunity.

Taken from the introduction to Syncrude Canada's 2002 Aboriginal Review, this sentiment also neatly sums up the company's long relationship with the University of Alberta. For more than 20 years, Syncrude has generously supported students and researchers at the U of A. In 1997, Syncrude stepped forward with an innovative commitment: the introduction of the Aboriginal Careers Initiative. The objective was to increase the number of Aboriginal graduates in the fields of engineering, education, business and health care.

Syncrude's gift of $500,000 over five years has helped the U of A initiate new programs for Aboriginal students and boost existing ones. It has also identified University of Alberta leaders who are passionate about enhancing educational opportunities for Aboriginal students. Equally important, Syncrude's visionary commitment has leveraged an additional $4 million in new funding for Aboriginal programs so far.

Syncrude's generosity has had tremendous community benefit. The Faculty of Education conducted a feasibility study that resulted in a new Aboriginal Teacher Education Program in northern Alberta. The Faculty of Engineering expanded its dynamic Discover-E Science Camp for kids into the Fort McMurray area. The Aboriginal Health Careers program has attracted record numbers of students. And new student recruitment programs were launched in Native Student Services and the School of Business.

"Syncrude is especially excited about the Aboriginal Careers Initiative because of its broad impact," says Kjersti Powell, Syncrude Manager, Human & Organizational Development. "To build capacity for Aboriginal students and encourage more University graduates in business and engineering, one must invest in the whole community."

Support from within

As a first year student, biological sciences major Katelyn Hauck suffered an injury that left her with limited mobility and chronic pain, making it impossible for her to take a full course load or work part-time. But thanks to the staff and students who support the University of Alberta Bursary, Hauck now has the financial support to help her earn her degree.

"The bursary will help me pay for spring session so I can catch up on the classes I missed during the year," Hauck says. "It compensates for not being able to work while I'm in school." Open to students in any faculty, the bursary is based largely on financial need. Hauck is the first recipient of the bursary, which is funded through gifts from U of A staff and students.

Rachel de Leon, Administrative Assistant in the Student Financial Resources Centre, believes that offering staff the opportunity to give to projects such as an unrestricted bursary has a number of strengths. "With bursaries, donors can be confident that their gifts will help students in need.

And as more and more staff pool their gifts in support of a common fund, the impact of giving increases dramatically."

Such support is not uncommon across campus. In April, the University publicly launched its annual internal campaign for the campus community with a renewed emphasis on increasing support for student scholarships and bursaries.

Celebrating Outstanding Philanthropy

The Appreciation Societies at the University of Alberta provide special acknowledgement for leadership giving through annual donations, cumulative gifts and deferred gifts. Eligible donors are welcomed into one of three appreciation societies:

The Strathcona Society recognizes alumni and friends, corporations, foundations and associations who give $1,000 and above in a calendar year. Members join one of three circles:

- *The Pembina Circle* recognizes gifts between $1,000 and $9,999
- *The Assiniboia Circle* recognizes gifts between $10,000 and $49,999
- *The Athabasca Circle* recognizes gifts between $50,000 and $99,999
- *Honorary membership* in the Pembina Circle is awarded to those graduates whose first degree from the University of Alberta was earned within the past five years and who make an annual gift of $100 and above.

The 1908 Society recognizes the University of Alberta's most generous donors, honouring individuals, corporations and foundations whose cumulative gifts total $100,000 and above. 1908 Society members join one of three distinguished circles:

The President's Circle recognizes gifts between $100,000 and $499,999
The Governor's Circle recognizes gifts between $500,000 and $999,999
The Chancellor's Circle recognizes gifts of $1,000,000 and above

The *Quaecumque Vera* Honour Society recognizes alumni and friends who have made a gift to the University of Alberta through their wills or life insurance.

Tax Savvy Giving

Planned gifts are donation arrangements that have specific tax advantages. A planned gift maximizes your giving potential and can even allow you to ensure future financial security, such as lifetime income and certain tax benefits. Equally important, planned gifts help to ensure the University of Alberta's strength well into the future. Planned giving options include: securities, real estate, wills, bequests, life insurance policies, residual interest, certified cultural property, charitable gift annuity, charitable remainder trust, interest free loans, RRSP, RESP, pension, annuity proceeds, and stripped bonds.

For more information about Gift Planning, please contact the Development Office at (780) 492-0332, toll free at 1-888-799-9899 or e-mail giving@ualberta.ca.

Living outside of Canada?

The University of Alberta has thousands of alumni and friends living in all parts of the world.

According to the Canada-United States Income Tax Convention, U of A alumni and their families living in the US may make donations and use the U of A gift receipt for their U.S. income tax returns.

American citizens who are not U of A alumni or related to our alumni, as well as gifts from corporations and foundations requiring a U.S. tax receipt, may still make a gift to the U of A through the *University of Alberta Foundation U.S.A. Inc* . Individuals and organizations that make a gift through this foundation will be issued a U.S. charitable gift receipt.

Gifts received from alumni and friends living outside of Canada and the United States will be recognized with a charitable gift receipt.

For more information on the U.S Foundation and gifts from other countries, please contact Matt Weaver, Financial Analyst Manager. Phone: (780) 492-6565 or e-mail matt.weaver@ualberta.ca.

The University of Alberta is grateful for the thoughtful gifts received from all donors. If you would like more information on how your philanthropic support can make a difference to both you and the University of Alberta, please contact the Office of External Relations at 1-888-799-9899.

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Scrapbook

To see more pictures of alumni visit our website at www.ualberta.ca/alumni.

1) U of A alumni reception at Canada House in London's Trafalgar Square on 14 January 2003.

2) Alumni fans night at a recent Bears hockey game.

3) President Rod Fraser with Mike Chen a former visiting scholar to the U of A and vice-president of the Industrial and Commercial Bank of China at the home of the Canadian Ambassador to China Joseph Caron, on 19 March 2003.

4) The first-ever delegation, to the U of A, of management trainees from the Chinese National School of Administration studied at the University of Alberta last October. The training program, administered by the School of Business, is one of three around the world that the CNSA participates in.

5) Lethbridge basketball reception 25 January 2003.

6) Alumni Travel in Florence, Italy, in November 2002. Left–right: Patrick Lawrence, Mary Lou Armstrong, Stefanie Lawrence, Rita Sears, Florentine Rosser, Wayne Rosser and Gloria Haight.

7) President Rod Fraser joined the U of A Hong Kong Alumni AGM and Annual Lunch on 23 March 2003.

PARTICIPATING CLASSES

The following classes have volunteers who are helping to organize their class reunion during Reunion 2003. If you would like to get your class involved, contact the Office of Alumni Affairs at (780) 492-6075.

1938
Home Economics
Law

1943
Agriculture
Arts
Home Economics
Law
Nursing (Dip)

1948
Arts
Chemical Engineering
Civil Engineering
Commerce
Education
Electrical Engineering
Home Economics
Law
Mining Engineering
Nursing (BSc)
Nursing (Dip-Sept.)
Pharmacy

1953
Agriculture
Chemical Engineering
Civil Engineering
Commerce
Dentistry
Education
Home Economics
Law
Mining Engineering
Nursing (Dip-Sept.)
Nursing (Dip-Feb.)
Petroleum Engineering
Pharmacy
Physical Education

1958
Dentistry
Electrical Engineering
Home Economics
Law
Medicine
Nursing (Dip-Feb.)
Pharmacy
Public Health Nursing
Rehabilitation Medicine

1963
Arts
Civil Engineering
Home Economics
Medical Lab Science
Physical Education

1968
Agriculture
Civil Engineering
Commerce
Dental Surgery
Education
Education (Dip)

1968-1972
Geology Graduate Students

1973
Agriculture
Commerce
Dentistry
Education (Dip)
Geology
Library Science
Mechanical Engineering
Pharmacy
Speech Pathology

1978
Chemical Engineering
Civil Engineering
Computer Science
Dentistry
Electrical Engineering
Home Economics
Law
Medical Lab Science
Nurse Practitioner
Nursing (BSc)
Petroleum Engineering
Physical Therapy
Recreation Administration

1983
Chemical Engineering
Commerce
Computer Engineering
Education
FSJ Education
Master of Business Admin
Nursing (BSc)
Pharmacy

1988
Dental Surgery
Electrical Engineering
Master of Library and Information Studies
Law
Medicine
Nursing (BSc)

1993
Arts
Chemical Engineering
Dental Hygiene (Dip)
Home Economics
Master of Business Admin
Mechanical Engineering
Physical Therapy

1998
Master of Business Admin
Mechanical Engineering
Nursing (BSc)
Occupational Therapy
Physical Education
Political Science

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EVENTS

Details can be found at www.ualberta.ca/alumni/reunion

Thursday, October 2:

Alumni Pride Awards
Join us in recognizing the latest alumni to receive our prestigious Alumni Pride Awards.

Friday, October 3:

Welcome Back BBQ
Come back to campus and enjoy this casual BBQ with your classmates. Family members welcome.

Party at the Plant
Return to the Powerplant Restaurant and Bar to dance to tunes from the 80's and 90's.

Saturday, October 4:

Faculty Open Houses & Events
Faculties are opening their doors so you can see all that has changed since you graduated.

Empey Lecture
Walk the Talk: Learn how every step in an easy walking program can improve your health and change your life.

Gala Dinner & Dance
Come celebrate in style at this formal dinner followed by dancing to a live band.

Sunday, October 5:

President's Breakfast
If you are from the classes of 1953, 1948, 1943, 1938 or prior, you are invited to this complimentary breakfast hosted by President Rod Fraser.

Although running legend **George Thian "Sy" K. Mah**, '52 BA, died in 1988, he continues to inspire runners throughout North America.

Remembered for his listing in the 1989 *Guinness Book of World Records* for completing a record 524 marathons, Mah was born in Bashaw, Alberta, to immigrant parents who came to Canada from southern China.

Sport and health were an integral part of everything Mah did. He was an assistant professor of health and human performance at the U of Toledo, Ohio, where he established and taught exercise and cardiac rehabilitation classes for most of the last two decades of his life. In Toledo, his memory is kept vividly alive by those whose lives he touched. Last fall, a memorial statue was dedicated to Mah at Olander Park in Sylvania, Ohio—site of the USA Track and Field National Championships 24 Hour Run, which Mah helped bring to the area. Mah's legacy also continues through a scholarship awarded annually to a U of Toledo student who demonstrates Mah's dedication to distance running.

Mah's contribution to the sport of running has been widely recognized. He was invited to participate in the grueling 245-km Spartathlon in Greece, where he was honoured by the Greeks for his love of competition. In Ottawa's annual 24-hour race, the Sy Mah trophy is awarded to the runner completing a minimum of 160 km while running at the most even pace—a hallmark of Mah's running style. In Toledo, the Glass City Marathon is run annually as a tribute to his memory.

If you would like to support Sy Mah's legacy, please contact the Sy Mah Scholarship Fund, c/o The University of Toledo Foundation, Toledo, OH 43606.

For more information, contact John Simon at *hjs@physics.utoledo.edu*. Visit the statue dedication website at *http://edm.ouser.org/02/statue*

—Jacqueline Louie

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In Memoriam

The Alumni Association notes with sorrow the passing of the following graduates:

'19 Harry Albridge Pearse, BA, of Soughfield, Michigan, in February '03

'21 Bertha Lawrence, BA, '36 MA, of Edmonton, in November '02

'28 Effie Mabel Harper, BA, of Duncan, B.C., in October '02

'29 Joseph Patrick Morrissey, BA, of Edmonton, in October '02

'30 George Vickers Haythorne, BA, '32 MA, of Ottawa, in November '02

'31 Archibald Bertie Evenson, BSc, '38 Dip(Ed), '42 BEd, of Edmonton, in October '02

Melville W. Cormack, BSc(Ag), '31 MSc, of Sechelt, B.C., in August '02

'32 Daniel Graisberry Revell, MD, of Chilliwack, B.C., in September '02

Winogene Mae Carpenter, BA, of Lethbridge, Alberta, in December '02

Ruth Evangeline Freebury, BA, '47 BEd, of Edmonton, in January '03

Jessie Aurelia Wood, BA, '59 BEd, of Edmonton, in October '02

Janet Drummond Crosby, BA, of Canmore, Alberta, in February '03

Margaret Pauline Hewson, BCom, of Vancouver, in February '03

'35 Kathleen Aitken, BCom, of Calgary, in December '02

Mary McQuilkan Price, Dip(Nu), of Victoria, in February '03

'36 Howard Delong Crosman, Dip(Pharm), of Edmonton, in November '02

'37 Oliver Belyea Tomkins, BA, '37 LLB, of Victoria, in December '02

Ruth Lavone Gorman, BA, '39 LLB, of Calgary, in December '02

Milton Chalmers Edwards, BSc(Eng), of Hamilton, Ontario, in February '03

'38 Rupert Mcconnell Clare, MD, of Edmonton, in February '03

'39 Peter Prokopy, BSc(Eng), of Calgary, in December '02

'40 Leigh Borrodell Brown, BSc, '44 MD, of Edmonton, in December '02

Norma Amelia Harris, BA, '41 BEd, of Waterloo, Ontario, in December '02

Gordon Lochead Wilson, MD, of Victoria, in December '02

Edith Alice Park, BA, '41 MA, of Victoria, in January '03

George Frederick Coote, BSc(Eng), of Calgary, in February '03

'42 Edward H. Brooke, BSc(Eng), of Calgary, in November '02

Norman Angus Grant, BSc(Eng), of Fairbanks, Arkansas, in September '02

Aylward Ernest Downe, BSc, of Kingston, in December '02

Sam C. Wishloff, BEd, of Westlock, Alberta, in December '02

Olive Hamilton, Dip(Nu), of Edmonton, in January '03

'43 John Thomas Strand, BSc(Ag), '60 BEd, of Edmonton, in October '02

Carlos J. Sebastian, Dip(Ed), '46 BEd, of Lumsden, Saskatchewan, in October '02

Robert Cameron Harrison, MD, of Vancouver, in October '02

Ira D. Lapp, BA, of Brooks, Alberta, in October '02

Frank Mark Jacobs, BEd, '47 BSc(Ag), of Calgary, in November '02

Archibald Frank Meston, BCom, of Edmonton, in November '02

Walter Andrew Hiller, BSc(Eng), of Edmonton, in December '02

'44 Joseph Busheikin, BSc, of Toronto, in October '02

'47 Ivor Boon, BA, of Calgary, in November '02

Eldor Ragnvald Berg, BA, of Calgary, in February '03

Harry D. Wismer, BSc, '58 BEd, of Sidney, B.C., in February '03

'48 David B. Dack, BEd, of Calgary, in October '02

Ronald Beach Lee, Dip(Pharm), of Vancouver, in September '02

Gerald Joseph Robinson, BCom, of Edmonton, in December '02

Lawrence Lewis Mallett, BSc, '52 MD, of Edmonton, in January '03

Peter Douglas McCalla, BSc(Ag), of Edmonton, in May '02

Henry Pylypow, BEd, '57 BA, of Calgary, in January '03

Ralph Leonard A. Clarke, BSc(Eng), of Victoria, in February '03

Ruth Gwendoline Steele, Dip(Nu), of Victoria, in March '03

'49 Douglas Reid Hagerman, BCom, of Calgary, in November '02

Edmund Vincent Hamula, BSc(Ag), of Calgary, in November '02

Auber Maurice Davidson, BSc, of Calgary, in December '02

Orval Clifton Mix, BEd, of Edmonton, in January '03

'50 David Cross Jamieson, BSc(Eng), of Edmonton, in October '02

Edgar Latimer Boyd, BA, '68 LLB, of Edmonton, in November '02

Elmer Charles Kennedy, BSc(Eng), of Victoria, in December '02

Ross Reginald McKinnon, BCom, of Salt Spring Island, B.C., in December '02

Stanley Melville McLean, Dip(Ed), '51 BEd, of Victoria, in January '03

'51 Richard Charles Wyld, BSc(Eng), of Westbank, B.C., in November '02

Harry Douglas Trace, BA, '58 MA, of Edmonton, in December '02

'52 Clarence Walter Ursel, Dip(Ed), '58 Dip(Ed), of Gainford, Alberta, in October '02

Shirley Ann Neame, Dip(Nu), of Calgary, in November '02

Patricia E. Coneybeare, BSc, of Kamloops, B.C., in November '02

Maude Hilda Lievers, Dip(Ed), of Paradise Valley, Alberta, in November '02

'53 Errol Douglas Sherling, BEd, of Calgary, in October '02

Taurus Paul Boyko, BCom, of Sangudo, Alberta, in October '02

Eugene Kush, BA, '54 LLB, of Hanna, Alberta, in December '02

Sylvia Josey Holmes, Dip(Nu), '54 BSc(Nu), of Burnaby, B.C., in January '03

Margery Joy Olsen, Dip(Nu), of Calgary, in March '03

'54 Harold Douglas Kern, DDS, of Swift Current, Saskatchewan, in June '02

Catherine Marjorie Broad, Dip(Nu), of Calgary, in March '03

'55 Robert James Slavik, BSc, '59 MD, of Leduc, Alberta, in October '02

Elvin Gilmer Skattebo, BEd, of Camrose, Alberta, in December '02

Alexander John Fedoruk, Dip(Ed), '59 BEd, of Vegreville, Alberta, in January '03

'56 Margaret Magdalina Lewicky, BSc(Pharm), of Edmonton, in January '03

Marguerite Ann Moynihan, Dip(Ed), of Calgary, in January '03

Mervin Andrew Lorenz, BSc, '60 MD, of Calgary, in March '03

'57 Gordon Sidney Hope, BSc(Eng), of Baynes Lake, B.C., in December '02

Gerald Aubrey McFadyen, BSc(Eng), of Calgary, in January '03

'58 Peter Henry Sebzda, BSc(Eng), of Sherwood Park, Alberta, in January '03

'59 Henry Norman Anderson, BEd, '62 BA, '68 PhD, of Edmonton, in October '02

Lesley Mae Bowser, BCom, of Calgary, in February '03

Ira L. Young, BSc, '50 MA, of West Vancouver, in January '03

'60 Mary Joan Tidy, BEd, of Medicine Hat, Alberta, in January '03

David William Dewar, BSc(Eng), of Ottawa, in October '02

'61 Mary Janet McLaughlin, BSc, of Spruce Grove, Alberta, in October '02

Florence Elizabeth Irwin, BEd, of Edmonton, in January '03

'62 Annette Potvin, BEd, of Edmonton, in January '03

Rachael Sheela Tasker, BA, of Victoria, B.C., in August '02

Alvan Herbert DeGraff, BSc(Eng), of Prince George, B.C., in January '03

Yvonne Ann Johnson, BEd, of Calgary, in March '03

'63 Lemuel Gulliver Burke, BEd, of Edmonton, in January '03

Lew Cameron Hutchinson, BSc(Eng), '65 MSc, of Oakville, Ontario, in September '02

Harold Jackson, PhD, of Edmonton, in March '03

'64 Morris Halin Leiren, BEd, of Camrose, Alberta, in December '02

Elizabeth Louise Henderson, Dip(Nu), of Edmonton, in February '03

Hugh Lewis Edward Chamberlain, BCom, of Victoria, in September '02

Donna Marie McGillis, BSc(Pharm), of Edmonton, in February '03

'66 Marilyn Joanne Forcade, BEd, of Edmonton, in October '02

John Robert Bayer, BCom, of Kelowna, B.C., in November '02

Wilfred C. Hirning, BEd, of Calgary, in December '02

Rosemarie Downing, BEd, of Edmonton, in March '03

Henry Chung-Chi Huang, Dip(Ed), of Calgary, in February '03

Joseph Wardach, DDS, of Edmonton, in February '03

Maureen Carol Symko-Vathje, BEd, of Calgary, in March '03

'68 Howard Frank Redmond, BA, '70 BEd, of Edmonton, in November '02

James William Vargo, BA, '70 MEd, '72 PhD, of Edmonton, in January '03

Wallace Wilbert Scott, BSc(Eng), of Nanaimo, B.C., in February '03

'69 Louise Margaret Mueller, BEd, of Abbotsford, B.C., in September '02

Blayne Lynn Hirsche, MD, of Provo, Utah, in November '02

Heather Susan Laing, BSc(Pharm), of Edmonton, in February '03

'70 Kathleen June Cruthers, Dip(Nu), '80 BSc(Nu), of Edmonton, in December '02

Rodney Colin McKenzie, MSc, '73 PhD, of Brooks, Alberta, in September '02

Elizabeth Wakefield Gaede, BEd, of Camrose, Alberta, in October '02

'71 Martha Madeline Ovelson, BEd, of Sherwood Park, Alberta, in November '02

Thomas C. Weidenhamer, BEd, of Edmonton, in February '03

Martin B. Yonge, BA, '74 LLB, of Edmonton, in January '03

'72 Jean Mary Klappstein, BA, of Hay Lakes, Alberta, in January '03

'73 Theresa N. Gerald-Ayline, BA, of Edmonton, in November '02

Louise Gertrude Stanley, BA, '78 BEd, of St. Albert, Alberta, in November '02

Emily Cherniwchan, BEd, of Two Hills, Alberta, in March '03

Roy Donald Corns, BSc, '75 MD, of Victoria, in February '03

'74 Mabel Lucille Potter, BA, of Edmonton, in December '02

Avra Sue Teplitsky, BA(RecAdmin), of Edson, Alberta, in January '03

Armin Matt Kauppila, BEd, of St. Albert, Alberta, in January '03

'75 Patricia Theresa Hertz, BSc(Nu), of Edmonton, in November '02

Claire Aurore Vallee, BA, '87 MEd, of Victoria, in January '03

David Wayne Booker, BSc(Eng), of Edmonton, in February '03

Mary Margaret Coli, BEd, of Lac LaBiche, Alberta, in February '03

'76 Russell Walter Stankievech, BCom, of Three Hills, Alberta, in November '02

'78 Dawn Marilyn Bucharski, BSc(Nu), '02 MSc, of Sherwood Park, Alberta, in December '02

Lisa Buckle, BEd, of Edmonton, in December '02

'80 Richard Guy Buoy, BEd, of Edson, Alberta, in March '03

'81 Raymond Joseph Unger, BEd, of Morinville, Alberta, in December '02

Daniel Earl Mosten, BCom, of Floral Park, New York, in August '02

'82 Judith Lynn Lipsett, BSc(HEc), of Calgary, in November '02

'83 Marguerite Abbott, BMus, of Calgary, in October '02

Jean Allison Heriot, MLS, of Olympia, Washington, in November '02

'86 Sandra Fay Walliser, BA, of Calgary, in December '02

'87 Kathleen Marie Brett, MNu, of Edmonton, in January '03

'90 Wynyard Oscar Wharton, BSc, '92 BEd, of Edmonton, in December '02

'92 Bonnie Lee Tobin, BSc, of Juliette, Georgia, in November '02

'93 Craig William Laux, BSc, of Edmonton, in October '02

Robert Edward Plain, BCom, of St. Albert, Alberta, in December '02

'95 Angela Nicoli-Griffiths, BCom, of Edmonton, in December '02

'99 Margaret Irene Rutzebeck, BEd, of Saddle Lake, Alberta, in November '02

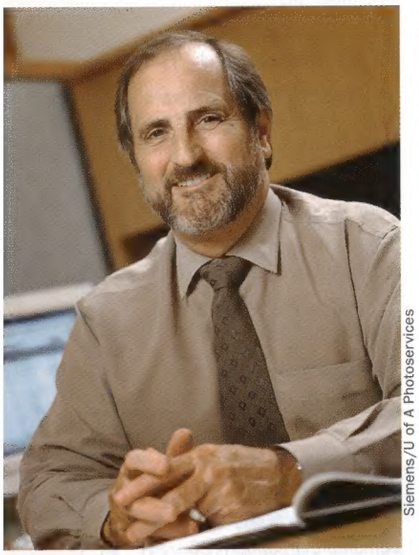
'99 Nadine L. Harvey, BA, of Edmonton, in October '02

'01 Brandy Lynn Johnston, BSc(Nu), of Widewater, Alberta, in October '02

Playing in the big leagues

Don Hickey is back on the U of A team

By Zanne Cameron



Siemens/U of A Photoservices

ABOUT DON HICKEY

Hickey on golf: "In golf you can only beat up on yourself if you make a mistake. It's not like football where you can always make up a bad play by hitting somebody–maybe, that's why I have a challenge with golf." Hickey has a 12 handicap.

Hickey on backyard barbecues: "We enjoy sharing our home with people. We have our friends and family over for summer bonfires and barbecues. I love our backyard."

Favourite movie: *My Big Fat Greek Wedding*

Last August **Don Hickey**, '71 BSc(Eng), and his wife, **Susan Hickey (Matheson)**, '72 BEd, took a walk around the U of A campus to get a feel for the place. "I thought, yeah—this is where I want to be for a while." Hickey, the new vice-president of facilities and operations for the University of Alberta says that although much of the green space has gone from the University's early days, it is still "lovely around here."

It is not hard at all to make a leap from the firm handshake and big, broad shoulders, which carry the responsibility for the future infrastructure development of the University of Alberta, to the young engineer who first attended campus on a hockey scholarship and played defensive back and offensive end for the Golden Bears football club in the '70s.

"Out of challenges come opportunities."

Background stats

Born and raised in Edmonton, Hickey is invested in the quality of life here, and he understands what makes this community work. "There is something about how people interact with each other in Edmonton. The arts, sports, volunteerism, the river valley—it's the every day interaction between people here which results in those things."

Hickey joins the University of Alberta management team after 30 years of experience in electrical and mechanical engineering consulting. He has worked in the United States and abroad on signature buildings, such as McDonalds' corporate headquarters and 1 Liberty Place in Pennsylvania.

Hickey came back to Edmonton in the early '90s to work for Stantec, where he eventually became vice-president and chief practice officer. For Hickey, the decision to take on the challenges of the University of Alberta was not a hard one. "This was an opportunity to do something that would use the culmination of what I've learned over the last 30 years and to bring that experience to the University." Like a true athlete, Hickey admits that the challenges, such as serious deferred maintenance issues, are significant, but they don't daunt him. "Out of challenges come opportunities."

Giving back to the community

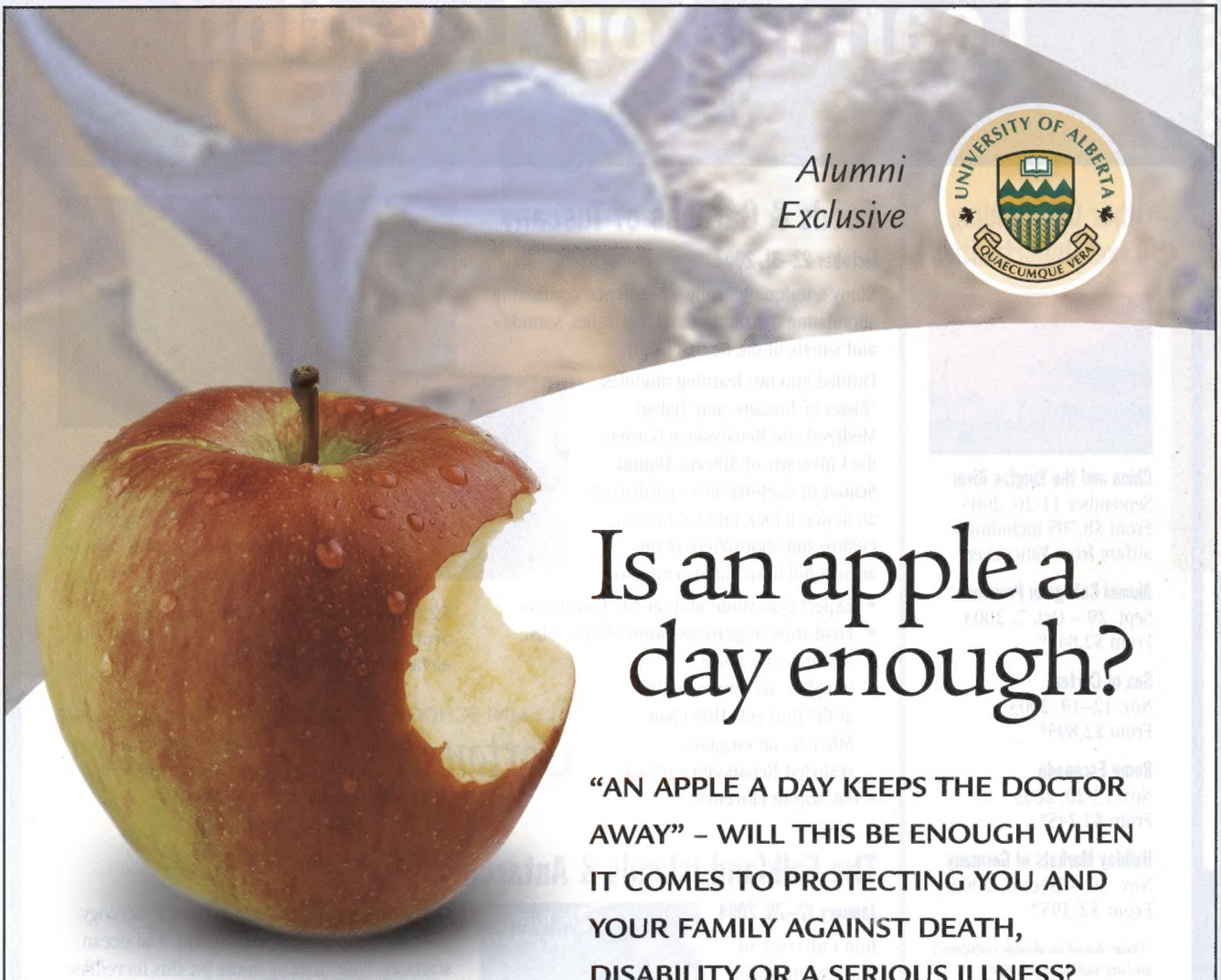
"It's important to me to make a difference, whether it's work or community work," says Hickey. "The question is always, can you make a difference—are you adding value? That's what's so interesting about this position. It's really an opportunity to accomplish something. My focus is on construction and adding to the quality of student life here, and to control a little bit better how the campus develops and help improve community relations. The University is not an ivory tower. We are an important part of the community."

Hickey and his wife attend many charity events in the city, and they are active in the community. Hickey is the past-president of the Mayfair Golf Club and the South Side Athletic Club. "My kids played hockey, volleyball, and basketball." He is also a member of the board of the Alberta Motor Association.

The Hickeys live on an acreage close to the river valley and enjoy peaceful evenings in their backyard listening to the wind in the trees, or entertaining friends. They intend to travel more in the future, but "the places I want to go would involve long vacations," says Hickey. "I would like to live in a place for a while." So his plans to travel to the British Isles and Australia will be put off until he retires, which, although it is still a ways off, Hickey wishes "were a lot farther away."

In the meantime, Hickey loves to come and watch the sports he used to play and is a familiar face in the stands at the Golden Bears and Pandas hockey, football, and volleyball games.

"The University is a great community that way. Our daughter was on the Pandas volleyball team, and there are many people from the phys-ed faculty that are still here from when I played for the Bears." ■



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